```
gacgacagga gagtgggccg ccccaggtct atgctgcgct catacagaca gatgtccatc    4980
atctctctgg cttccatgaa ttctgactgc agcacccca gcaagcctac ctcagagagc     5040
tttgacctgg aattagcatc acccaagacg ccgagagtgg agcaggagga accgatctcc     5100
ccggggagca ccctgcctga ggtcaagctg cggaggtcca agaagaggac aaagagaagc     5160
agcgtagttt ttgcggatga gaaagcagct gcagtcgg acctgaagcg gctttccagg       5220
aagcatgagt tcatgagtga caccaacctc tcggagcatg cggccatccc cctcaaggcg      5280
tctgtcctct ctcaaatgag ctttgccagc cagtccatgc ctaccatccc agccctggcg     5340
ctctcagtgg caggcatccc tgggttggat gaggccaaca catctccccg cctcagccag     5400
accttcctcc aactctcaga tggtgacaag aagacactca cacggaagaa ggtcaatcag      5460
ttcttcaaga caatgctggc cagcaaatcg gctgaagaag gcaaacagat cccagactcg      5520
ctgtccacgg acctgtgagc tgctgctgac tagggctgca tgggagagcc agggagggga     5580
gtttctggaa gaggaaagcc atgcgtggaa catcgaagcc tcagagagtg ggagactgtc      5640
cccatcagtt gtccttactt agaggagaca gagaggccaa tcaggtccca gagctggagt      5700
gctaacaagc ccagcatccc ctggggctgt gatcatggtg gatgaggaag cctcaacgta     5760
gattcctgaa ctcaaggtac cagcaagaat gccttctccc agtgtgctct ccccaacatc      5820
ctaggcacag ctttcataac ccagtttctt aggtgtaaga aactgctttt atctcattta     5880
ttaagtctca gaacttaaca gaaaaggaag cctttaaat attctttta attttatttt        5940
agattaacag ttttgtactt tacattttt tatacaacca accagtttct tttctagcca       6000
atcatctctg aagagttgct gtttcttact gacaataaaa aatgttctct tggttcg         6057
```

<400> 8412

```
tggacccccta gtccagtgtg gcggaattcc cagaacgtgt gcagctcagc cagccacaga      60
actggaattt ttcaggagca ggggggagcat ggagtttgga ctttgctgag caactgaagt     120
ggagcgcaga gcttgctcgc ttaggagaga gcatcatgga tggcaaacaa gggggcatgg      180
atgggagcaa gcccgcgggg ccaagggact ttcctggcat caggcttctt tcaaacccat      240
tgatgggcga tgctgtgtct gattggtctc ctatgcatga agctgcaatc cacggacatc      300
agctgtctct gaggaacctc atcagccagg ggtgggctgt gaacatcatc acggcagatc      360
atgtttcccc actccatgaa gcctgtcttg gaggtcatct ctcttgtgtg aagattttat       420
taaagcatgg agctcaggtg aatggtgtga cagcagactg gcacactcca ctgtttaatg      480
cttgtgtcag cggcagctgg gattgtgtga atttgcttct gcagcacgga gccagcgttc       540
aacctgagag tgatctggca tcccccatcc atgaagctgc taggagaggc cacgtggagt       600
gtgtcaactc tcttatagct tatgggggca acattgacca taagatcagc cacctgggca      660
ctccactcta tttggcttgt gaaaaccaac agagagcctg tgtcaagaag cttctggagt       720
caggagcgga cgtgaaccaa gggaaaggtc aggattcccc acttcatgca gtggccagga      780
```

```
cagccagtga agagctggcc tgcctgctca tggattttgg agcggacacc caggccaaga    840
atgctgaagg caaacgtcct gtggagctgg tgcctccaga gagccccttg gcccagctct    900
tcttggagag agaagggccc ccttctttga tgcagttatg ccgccttaga attcggaagt    960
gttttggaat ccagcagcat cataagataa ccaaactcgt cctcccagag gatctgaaac   1020
agtttctcct acatctttaa atgcatctag ggaatggatt cacaaacgat gtgaaaacat   1080
tattgagtgt tgtagccact agaattttaa aatcaagttg gatttataga gtttgactag   1140
ttttttcgat tagatttgta tttgttataa acttgtttat ggagtttgac taatttttc    1200
tattcaattt gtatttgtta aactcaagcc agggtggaaa gacactgcat acgtttgtat   1260
tattagttag aaggcatgaa gacttttttc cctgcttgga gagtgtcata agttattgtt   1320
ttgcatatct actgcatgcc aagcactttt tgcatcatct aatttagccc tcacagccac   1380
tgggtcaaga tgtccaattt tccagagtaa ggatagagga gtcaaattca aatacaggtt   1440
ttctgacatt aacttatgtg atgacttgat cgaggcaggc ttttccagca tcactgtcct   1500
ggttccatct ctgctatatg gaagaaaaaa agaaacatag gcatggtcaa tcaaannnna   1560
cgccg                                                              1565
```


            <210> 8413
            <211> 2825
            <212> DNA
            <213> Homo sapiens

            <220>
            <221> misc_feature
            <222> (47)...(2551)
            <223> similar to gi2653402 in the genepept database release 114,
                Run with FASTXY 3.3t00, default parameters

            <400> 8413
```
ctcggcgcgc gcttggggcg aggctcggcg ggcgcggacg cgcagcatgg cggtggagga     60
cgaggggctc cgggtcttcc agagcgtgaa gatcaagatc ggtgaagcca aaaaccttcc    120
ctcttacccg gggccgagca agatgaggga ttgctactgc acggtgaacc tggaccagga    180
ggaggttttc aggaccaaaa ttgtggaaaa gtcactctgc ccgtttttacg gagaagactt    240
ttactgtgaa attcctcgga gctttcgtca cctgtccttc tacattttcg atagagacgt    300
tttccggagg gattccatca tagggaaggt ggccatccag aaggaggact tgcagaagta    360
ccacaacagg gacacctggt tccagctgca gcacgtggac gctgactcgg aagtgcaggg    420
caaagtgcac ctggagctgc ggctgagcga ggtcatcaca gacactgggg tcgtctgcca    480
caagctcgcc acacgcatcg tcgagtgcca gggcctcccc atcgtgaatg ggcaatgtga    540
cccctacgcc accgtgacgc tggcaggacc cttcagatca gaagcaaaga agacgaaagt    600
gaagaggaag accaacaatc cccagttcga tgaagtgttt tattttgagg tgacccggcc    660
ctgtagctac agcaagaagt cccactttga ctttgaggag gaagacgtgg acaagctcga    720
aatcagagtt gacctctgga atgccagtaa cctgaagttt ggagatgaat tcctgggaga    780
actaaggatc ccgttgaaag tcctgcggca gtccagctcc tacgaggcgt ggtacttcct    840
ccagccccgg gacaatggta gcaagagcct aaagccagac gacctgggct ccctgcggct    900
gaacgtggta tacacggaag accacgtgtt ttcttctgac tattacagcc ctctgcggga    960
cctgctgttg aagtctgcgg atgtggagcc cgtgtcagcg tctgcggccc acatcctggg   1020
cgaggtttgc cgggagaagc aggaggcggc cgtcccgctg gtgcggctct tcctacacta   1080
tggcagggtg gtgccattca tcagtgccat cgccagcgcg gaggtgaagc ggacccagga   1140
ccccaacacc atcttccgag gaaactcact ggcgtccaag tgcatcgacg agaccatgaa   1200
gctggcgggg atgcttttttt tgcatgtcac cctgaagccc gccatcgagg agatatgcca   1260
gagccacaaa ccctgtgaaa tcgaccctgt gaagttgaaa gacggagaaa accttgaaaa   1320
caacatggag aacctacggc agtatgtgga ccgcgtcttc cacgccatca ctgagtctgg   1380
```
```
                                  7002
```

```
ggtgagctgc ccgaccgtca tgtgtgacat cttcttctcc ctccgggagg cggcggccaa    1440
gcgcttccag gatgacccgg acgtcaggta cactgcagtg agcagcttca tcttcctgag    1500
gttctttgcg cccgccattc tctcccccaa cctcttccag ctcacgccgc accacacgga    1560
cccccagacg tccaggacgc tgacattgat ctccaagacc gttcagaccc tcggcagcct    1620
gtccaagtcc aaatctgcga gtttttaagga gtcctacatg gctacatttt atgaattctt    1680
caatgagcag aaatatgctg atgcggtgaa gaacttcttg gatctgattt cgtcctcggg    1740
gagaagagac cccaagagtg ttgagcagcc catcgtgctt aaagaagggt tcatgatcaa    1800
gagggcccaa ggacggaagc gctttgggat gaagaatttt aagaagagat ggtttcgttt    1860
gaccaaccat gaatttacct accacaaaag caaaggggac cagcctctct acagcattcc    1920
catcgagaac atcctggcag tggagaagct ggaggaggag tctttcaaaa tgaaaaacat    1980
gttccaggtc atccagccag agcgtgcgct gtacatccag gccaacaact gcgtggaggc    2040
caaggactgg atcgacattc tcaccaaagt gagccagtgc aaccagaagc gcctcaccgt    2100
ctaccacccg tccgcctacc tgagcggcca ctggctgtgc tgtagggcgc catccgactc    2160
ggctccgggc tgctcgccct gcactggcgg cctcccagcc aacatccagc tggacattga    2220
tggggaccgt gagacggagc gtatctactc cctcttcaac ttgtacatga gcaagctgga    2280
gaagatgcag gaggcctgtg ggagcaaatc tgtgtatgac ggcccggagc aggaggagta    2340
ttcgacgttc gtcattgacg acccccagga gacctacaag acgctaaagc aagtcatcgc    2400
tggggttggg gctttggagc aggagcacgc ccagtataag agggacaagt tcaagaagac    2460
gaaatatgga agccaggagc accccatcgg agacaagagc ttccagaact acatccggca    2520
gcagtccgag acctccactc attccatttta aagtctgcgg gacgcgccca gtggcgccag    2580
caagctgccc atgcaaagcc gcagcctttg ggagggagaa gagaaggaag agcgcacagc    2640
cggcaaagtg agatgcacgc cgtcccggcc catagacaag tggcgctggg gtttccctct    2700
cccagaaccg ctgccaccac cgccacgccc tccgcagaaa gcccacctgg ccctgtggaa    2760
cgtgtcgtca tttgattctg tgcttttttgc tccttgtttg tggggatctg gggatcagct    2820
gaagg                                                                 2825
```

<210> 8414
<211> 725
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (277)...(618)
<223> similar to gi4210351 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8414
```
ggaaagtcag tgagcaaatc gcggaccacc ggggctgcca gctcgcctga ctcccggcct      60
cttgcgctcc taggggcgga gaagggtgcg ggctcttcgc cctttgtgtc ctccttcttt     120
cactaacttc tggactttcc agctcttccg aagttcgttc ttgcgcaaag cccaaaggct     180
ggaaaaccgt ccacgatgac cagcatgact cagtctctgc gggaggtgat aaaggccatg     240
accaaggctc gcaattttga gagagttttg ggaaagatta ctcttgtctc tgctgctcct     300
gggaaagtga tttgtgaaat gaaagtagaa gaagagcata ccaatgcaat aggcactctc     360
cacggcggtt tgacagccac gttagtagat aacatatcaa caatggctct gctatgcacg     420
gaaaggggag cacccggagt cagtgtcgat atgaacataa cgtacatgtc acctgcaaaa     480
ttaggagaag atatagtgat tacagcacat gttctgaagc aaggaaaaac acttgcattt     540
acctctgtgg atctgaccaa caaggccaca ggaaaattaa tagcacaagg aagacacaca     600
aaacacctgg gaaactgaga gaacagcaga atgacctaaa gaaacccaac aatgaatatc     660
aagtatagat ttgactcaaa caattgtaat ttttgaaata aactagcaaa accagaaaaa     720
```

```
        <210> 8415
        <211> 660
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (91)...(661)
        <223> similar to gi4200331 in the genepept database release 114,
          Run with FASTXY 3.3t00, default parameters


        <400> 8415
cggacgcgtg ggcggagctc ggcggtctgc gctcggttgc tagccgtttg ctcccgcttt      60
cagttgcttt gctgttagcc tgttggacct tcgagcctag ctgctcgcac aggactcggc     120
cacctgccct tcctgcaccg actggccagc tcaagaggtt tggatatgga ccttcttcaa     180
ttcctggcct tcctctttgt cctgcttttg tctgggatgg gagccacagg caccttgagg     240
acctccctgg acccaagcct ggagatctac aagaagatgt ttgaggtgaa gcggcgggag     300
cagctgttgg cactgaagaa cctggcacag ctgaacgaca tccaccagca gtacaagatc     360
cttgatgtca tgctcaaggg gctctttaag gtgctggagg actcccggac agtgctcacc     420
gctgctgatg tgctcccaga tgggcccttc ccccaggacg agaagctgaa ggatgctttc     480
tcccacgtgg tggagaacac ggccttcttc ggcgatgtgg tgctgcgctt cccgaggatt     540
gtgcactatt actttgacca caactccaac tggaacctcc tcatccgctg gggtatcagt     600
ttctgcaacc agacaggcgt cttcaaccag gggccccact cgccatcct cagcctgatg      660


        <210> 8416
        <211> 2846
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(2847)
        <223> n = a,t,c or g

        <220>
        <221> misc_feature
        <222> (1929)...(1054)
        <223> similar to gi2317725 in the genepept database release 114,
          Run with FASTXY 3.3t00, default parameters


        <400> 8416
```

```
tttttttttt ttcattcacc agccagtttt atttactcac aagaacaaat ccaaagccca      60
gtgcagcagc tctgagctca ggcctgccgt gccccgtttt gtgggcctgt acttgaaaca     120
ctgaacgtga tgtgtccttc actcacccgc agcactttaa tccccacaac agccctgtga     180
ggtaggaatc accaccattc cccccgactc atattacaga tggggaaacc gagacacaca     240
ttcaacaaag cgcgcatcac atggggagtt cagggttagc ctggagtacg aacacacgtt     300
ctccccatgg cccagtcagc ggcccacctg gcctcttccc ctccctttag taaccccatc     360
agcagcagca taaaaatcta acccttcatt ttgctgaaag cccctgcaga tgacagtttc     420
cttcctatca tgtctgcaga gctccaaggc tggggcgat gttgaggccg aagccagcca     480
cagtgcctca gctgtgcctt tcctggagag cgggtggccg cccccagcac atccctggca     540
cacgggcttg cataacagac tcttgtaccg ccatctctag cacaagacca tggccacatc     600
tccccaacca ctcagcccgc acagcgtgca aaggtgggga gttcacttta atggcattcc     660
tccaacgact tattgtaaaa gaaacaaggc atctcgtcct gggtcgcaac acccagcagc     720
atccgtttag accaccaagg gtaggctgcg ccgggtgcac agggatcccg ctgcggctcg     780
gcgaaagccg gagtcctggg atccagagca gcccggggag ccctggagtc tggaaaggac     840
acagcagtgg gggcggcggc ggcaactcca gctctgagcc cgttggcacc ccgcacggtg     900
gccccagcca gctggaggca ggctcaggag cggctcctgt ccttgtggtt ccccacgatc     960
atcttgctgt acagcttctg ctgctcctcc ttgaacgtgt ccttcacctt ctccctcttc    1020
aggccccccat cccacagcag gtccacaagt cctccctgcc tggcaatggc agatttcacc    1080
ctattcgcaa actggacagc atcttcatct gcctctctag tcatgggagg caggtaccac    1140
acgctgcaga caatggccca gctggtcatc attcgcagca ggtacgtcac catcccgtat    1200
ttgctgctgt tccagaaggc atcgccaaat tgagggtcat acttgatagc aacagggtaa    1260
actgtggctc caatttcaaa acttcccttt ttgaacatca tcaccgatgt attattgatg    1320
caggttcctt ctgggaagat gaggataggc agcttgcttt tatcttgcac atgttcagtc    1380
agtctcttag ccaccaggtg gcgatccttc acttccgagc gctcaaacca gacgtgtggg    1440
caggccttca ccatggctct ctgaatcaca cccatgagtc ccccgtgcac ttgacccacc    1500
atggcataat agccatcgct ggccaagatg atcacatcga tcggtgaggt atgattggcc    1560
acacagatgc caccatttct tggtctgttt tccctgtcat ggtaggtgat gatggctgtc    1620
agcgctcgca cgcagatccg gtaacacatt aagtgaacat gtttactcat gaactcctta    1680
aacctcccat ttggcaagta tcccaccaca gttgtgccca ccaccagaag gctaatccct    1740
gtgaaagcca gtgctatcct gagcggcagc agaaagcagt accgaatcag cactcctaac    1800
ccccacagga ccgtgagccg aaggctgatg tactggaagt tataattggt tctgctcagc    1860
aggttccagg actccagttc ttctgctgag aatctctttg tcacctcatc atccataatg    1920
gtctccattc ctttccggca aaagtagaaa atgtcagaga gctcgaactc tggagtgttg    1980
tccagagcct tactactacc acttcgacga atctctttga tctcttcttc tagtgaagtg    2040
ggatcctttg caatgattcc gttggtgtag ggcttgtaaa gctggtggtt cttctccttg    2100
gctcctcgct ccattctcaa ggtagcccac gcaaagattt ttaacagact tttcatgtag    2160
agtttgcgga taccaaagga gactccaaaa atggctggca ctatgatgaa aacgagaagg    2220
agggtgaaga ggacagtcag ggagatgccc agaaggttga caatcaggct atcaaaaggc    2280
agcaacagga acatggtgga agatccaggc caggccagca cctgcctcca taagaacaaa    2340
ttgcagcctt cagatggtcc ttcctgacag caccagccag ggaaaggaag caagttcccg    2400
aagaacagca aaccccattc caaagtccac acccttcaac cgcctgaata gaaggcctgg    2460
gaacagaatg acagaaaaac acggccacag gaggcaactg caaacgccag gtctctccag    2520
aatggatgga ctctaaagat gattgaagct agatgggtct tcagtaaaag catccgagtc    2580
cagatggagt ttctgtgcaa gtgagcagtg aggacggggg ctctgctctg ctgtcctgat    2640
gctgcttcca gaggttttac atggttttcc tgcccaagag tattcaacag ataaatctgt    2700
cccccagatc tgtcccccc aaaagcacga aaaagagtta aacttggtgc cagaaaaatc    2760
ctgatagctc ctgtggaggg gaactccccg agcgcccgcc tggntntnnc cgggnntttg    2820
cgagttttcg gaagctcaat nccgcc                                         2846
```

<400> 8417

```
tctccggacc ggacttcccg ggtcgacgat ttcgtggtac ctagtgtctg agcggcacag    60
acgagatctc gatcgaaggc gagatggcgg acgtgctaga tcttcacgag gctgggggcg   120
aagatttcgc catggatgag gatggggacg agagcattca caaactgaaa gaaaaagcga   180
agaaacggaa gggtcgcggc tttggctccg aagaggggtc ccgagcgcgg atgcgtgagg   240
attatgacag cgtggagcag gatggcgatg aacccggacc acaacgctct gttgaaggct   300
ggattctctt tgtaactgga gtccatgagg aagccaccga agaagacata cacgacaaat   360
tcgcagaata tggggaaatt aaaaacattc atctcaacct cgacaggcga acaggatatc   420
tgaagggta tactctagtt gaatatgaaa catacaagga agcccaggct gctatggagg   480
gactcaatgg ccaggatttg atgggacagc ccatcagcgt tgactggtgt tttgttcggg   540
gtccaccaaa aggcaagagg agaggtggcc gaagacgcag cagaagtcca gaccggagac   600
gtcgctgaca ggtcctctgt tgtccaggtg ttctcttcaa gattccattt gaccatgcag   660
ccttggacaa ataggactgg ggtggaactt gctgtgttta tatttaatct cttaccgtat   720
atgcgtagta tttgagttgc gaataaatgt aaacacagca agttccaccc cagtcctctg   780
ttgtccaggt gttctcttca agattccatt tgaccatgca gccttggaca aataggactg   840
gggtggaact tgctgtgttt atatttaatc tcttaccgta tatgcgtagt atttgagttg   900
cgaataaatg ttccattttt gttttctaaa ca                                 932
```


<210> 8418
<211> 417
<212> DNA
<213> Homo sapiens

<400> 8418

```
ggacttcccg ggtcgacgat ttcgtctcgt ctggctgctc gtgctccggc tgccctggcg    60
ggtgccgggc cagctggacc ccaccactgg ccggcggttc tcggagcaca aactctgcgc   120
ggacgacgaa tgcagcatgt taatgtaccg cggggaggct cttgaagatt tcacaggccc   180
ggattgtcgt tttgtgaatt ttaaaaaagg ggatcctgta tatgtttact ataaactggc   240
acgaggatgg cctgaagttt gggctggaag tgttggacgc acttttggat attttccaaa   300
agatttaatc caggtagttc atgaatatac caaagaagag ctacaagttc caacaaatga   360
gacggatttt gtttgttttg atggaggaag agatgatttt cataattata atgtaga      417
```

<210> 8419
<211> 1007
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (48)...(686)
<223> similar to gi510509 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8419
tcacttccac ggctcagcgt cagggaggag agagaatgtc ttttcgaggc ggaggtcgtg   60
gaggctttaa tcgaggtggt ggaggtggcg gcttcaaccg aggcggcagc agcaaccact   120
tccgaggtgg aggcggcggt ggaggcggcg gcaatttcag aggcggcggc aggggaggat   180
ttggacgagg gggtggccgc ggaggctttca acaaaggcca agaccaagga cctccagaac   240
gtgtagtctt attaggagag ttcctgcatc cctgtgaaga tgacatagtt tgtaaatgta   300
ccacagatga aaataaggtg ccttatttca atgctcctgt ttacttagaa aacaaagaac   360
aaattggaaa agtggatgaa atatttggac aactcagaga ttttattttt tcagttaagt   420
tgtcagaaaa catgaaggct tcatccttta aaaaactaca gaagttttat atagacccat   480
ataagctgct gccactgcag aggttttac ctcgacctcc aggtgagaaa ggacctccaa   540
gaggtggtgg cagggaggc cgaggaggag gaagaggagg aggtggcaga ggtggtggca   600
gaggcggtgg ttttagaggt ggaagaggag gtggaggtgg gggcttcaga ggaggaagag   660
gtggtggttt cagagggaga ggacattaag tgaaacagtt gacagacatc accagttgac   720
ttctgcatta acctgcatga tctgtttcta ctatggattg gaaacttgtt tcttgaacaa   780
gtcttgaaga tcttggtcat tttatgacaa tggatctaaa atgtcagcat catgcaaagt   840
gcaacggaat agtgaatttt gctctaaaag agcatgaaca agtctttcta atgttttgta   900
cagtgcctgg cactctgtgg gtgctcaata aatggatagg agttttcatt tgaagcatat   960
ttgaattttt aaaataaagt gttttattcc cttaagttaa aaaaaaa   1007

<210> 8419
<211> 1007
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (48)...(686)
<223> similar to gi510509 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8419
tcacttccac ggctcagcgt cagggaggag agagaatgtc ttttcgaggc ggaggtcgtg   60
gaggctttaa tcgaggtggt ggaggtggcg gcttcaaccg aggcggcagc agcaaccact   120
tccgaggtgg aggcggcggt ggaggcggcg gcaatttcag aggcggcggc aggggaggat   180
ttggacgagg gggtggccgc ggaggcttta acaaaggcca agaccaagga cctccagaac   240
gtgtagtctt attaggagag ttcctgcatc cctgtgaaga tgacatagtt tgtaaatgta   300
ccacagatga aaataaggtg ccttatttca atgctcctgt ttacttagaa aacaaagaac   360
aaattggaaa agtggatgaa atatttggac aactcagaga ttttattttt tcagttaagt   420
tgtcagaaaa catgaaggct tcatccttta aaaaactaca gaagttttat atagacccat   480
ataagctgct gccactgcag aggttttac ctcgacctcc aggtgagaaa ggacctccaa   540
gaggtggtgg cagggaggc cgaggaggag gaagaggagg aggtggcaga ggtggtggca   600
gaggcggtgg ttttagaggt ggaagaggag gtggaggtgg gggcttcaga ggaggaagag   660
gtggtggttt cagagggaga ggacattaag tgaaacagtt gacagacatc accagttgac   720
ttctgcatta acctgcatga tctgtttcta ctatggattg gaaacttgtt tcttgaacaa   780
gtcttgaaga tcttggtcat tttatgacaa tggatctaaa atgtcagcat catgcaaagt   840
gcaacggaat agtgaatttt gctctaaaag agcatgaaca agtctttcta atgttttgta   900
cagtgcctgg cactctgtgg gtgctcaata aatggatagg agttttcatt tgaagcatat   960
ttgaattttt aaaataaagt gttttattcc cttaagttaa aaaaaaa   1007

<210> 8420
<211> 1404
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1318)...(142)
<223> similar to gi3777604 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8420
tttttttttt ttaaaaagag aaacctttat ttacaaccat gggagtccca caggagtaca   60
caaaacacac aatgtgcaca cacacaaaat gaacctttta agtcaatacc atgcgtgctc   120
ctggccgcgc gccacccctc agtgccctat ccgcaccacc atcacagtga cgttgtcggc   180

```
cgagccccgc tgcaccgcct tgttggccag cctgttgcag gctgcttcgt agcgggcgtc      240
ggctgcggac ttcccttccc gggtctggat cttttcatcc tcgagacagg acaagatgaa      300
gttcacggct tcttctgggg taaagacctt gaagagccca tcacaggcca acaaaatgaa      360
cctgtcattg ggggtcagct ggcagcgtct gatgtcgggc acagaggtga caccgcagcg      420
cttgtactgc ccgtccccaa tggagcgtga cacctctagc acgcccaaaa cacgcccatc      480
cctgacgttt cctccagcct tctgtatcct catccgctct tcatactgag ttggattatg      540
ctctttgctg aggcttaagg ctgcatgttt ttgactctcc tcattataac gacacaagat      600
tgcccgacta tctccgaggt tggcaatata aagaatgttg tctacagcca gaacacacgt      660
ggcagtggac ccatctttcc aggcaggctt ctggctggaa gcttgtttaa ggaactcttc      720
atcagtatgc ttgaaagtgt ccaaaaggca tctcttcacg gttttctcta cactgattac      780
atctccttta ggaaattttc tgattaagtt ttgatgcaaa ttctgtgcag caaattttga      840
ggctcgaatt cctccatgtc catcaaaaac agcaaaatat gaaacccgag taatgaggga      900
cgatgggggc ctacactcct cggtgatgtc gttcaggatg acgtgggcat cctgcatctc      960
ctccctctca cccttccgct cagccacata gcccttcaga ccaaagatca ccgaagaggc     1020
tttacaaact ttcttttcca caagctcttc actgccattc ttctcttcct cggaggtttt     1080
tctctttgct cctttccctt cagtctttac catctgggat attgatgtgg caagagaacc     1140
tgaatcgcca ctgctagcgg gtgggagatc atcaaaaagc aaaggtcccc ctgatcctga     1200
gtcagtactg ctggccggag ggaggtcatc aaagagcagg ggtcctttct gagcttcttt     1260
cccggcagcc gggcgcggcg agcgctcggg ctccggcagg tccccgaaga ggtccatggc     1320
ggaggctggg tggaggcggc agcagcgaca gacactcagc ccgcgagcag cggccgggct     1380
ccacgaaatc gtcgacccgg gaat                                            1404
```

<210> 8421
<211> 2211
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (106)...(2197)
<223> similar to gi500734 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8421
```
ggaataagct ggtcgacgat ttcgtggggg cgggcctatg ccggggtctc acagcgactg       60
cgcggacggg ttcctgagtg gaacatggcg acttgcgccg aaatcctgcg gagcgagttc      120
cccgaaattg acggacaagt cttcgactac gtgaccggcg tcttgcacag cggcagcgcg      180
gacttcgagt ctgtggatga cctggtggaa gctgtagggg aactattgca agaggtgtcc      240
ggggacagca aggatgacgc gggcatcagg gccgtgtgcc agcgcatgta caacactctg      300
cgtctggctg agccacaaag ccagggaaat agccaggtgc tactggacgc ccctatccag      360
ttgtcaaaga taacggagaa ctacgactgt ggaaccaaac ttccaggact gctaaagagg      420
gaacagtcct cgacagtgaa tgcaaagaag ttagagaagg ccgaggctcg acttaaggca      480
aagcaggaga agcgctcaga gaaggacacg ctcaagacca gcaaccctct agtcttagaa      540
gaggcatcag ccagccaggc aggcagcaga aaggagagtc ggttggaatc atctggcaag      600
aacaaatcct atgatgtgcg aattgagaac tttgatgtgt cttttggcga tagagtactg      660
ctggctggag cggatgtgaa cctggcatgg ggccgccgtt acgggctggt ggggcggaat      720
gggttgggga agacaacgtt actgaagatg ctggccaccc ggagtctgcg ggttccagcc      780
cacatttccc tgctgcacgt tgagcaagag gttgctggag atgacactcc tgccctgcag      840
agtgtgctgg agagtgacag tgtgcgagag gatttgctac ggagggagcg ggagctcact      900
gcccagattg ctgctggcag ggcggagggc tctgaagctg cagagctggc agaaatctat      960
```

```
gccaaactgg aggagattga ggctgacaag gcacctgcca gggcatcagt cattctcgct   1020
gggcttggct ttacccctaa aatgcagcag cagcccaccc gggagttctc aggtggctgg   1080
aggatgaggc tggccctggc ccgggccctc tttgctaggc cagatcttct gctgttagat   1140
gaacctacaa acatgctgga tgtcagggcc atcctgtggc tggagaatta cctgcagacg   1200
tggcccctcca ccatcctagt cgtctcccac gaccgcaact tcttgaatgc catcgccaca   1260
gacatcatcc acctgcacag ccagcggcta gatggttacc ggggagactt tgagaccttc   1320
atcaagagta agcaggagcg gctgctcaac cagcagcgtg aatatgaggc gcagcagcag   1380
tatcgccagc acatccaggt tttcattgac cggtttcgct acaatgccaa cagggcctct   1440
caagtgcaga gtaaactcaa gatgctggag aagctgcctg agctgaagcc tgtggacaag   1500
gaatcagagg tcgtaatgaa gttccctgat gggtttgaga agttctcgcc gccaattctg   1560
cagctagatg aggtggattt ctactacgat ccgaagcacg tcatcttcag tcgcctctct   1620
gtgtctgctg atctcgagtc tcgcatctgt gtggttggag agaatggggc tgggaagtct   1680
accatgctga agctgctttt gggggacctg gcacctgttc ggggcatcag acacgctcac   1740
aggaatctga agattggcta tttcagccag caccatgtgg agcagctgga cctaaacgtc   1800
agtgctgtgg aactgctggc acgcaagttt cctgggcggc ctgaggagga gtaccgtcac   1860
cagctgggtc ggtatggcat ctccggagaa ctggccatgc gtcctcttgc cagcctgtct   1920
gggggccaga agagccgagt ggcctttgct cagatgacta tgccctgccc caacttctac   1980
attctggatg aacccacaaa ccacctggac atggagacca ttgaggctct gggccgtgcc   2040
ctcaacaatt tcaggggtgg tgtgattctg gtgtcccacg atgagcgctt tatcaggctg   2100
gtgtgccggg agttgtgggt atgcgaagga ggcggcgtca cccgtgtgga aggaggattt   2160
gaccagtacc gcgccctcct ccaggaacag ttccgccgcg aaggcttcct t          2211
```


        <210> 8422
        <211> 5961
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (215)...(2666)
        <223> similar to gi5911943 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters

        <400> 8422
```
gaactcccgg gtcgacgatt tcgtgcagcg tgtagtgcga gtggggcgga cgcgcgcagc     60
ccgcccgccc ggcgaccagc aaggagttgg catcctttgg aagagttcgt gaaagctttc    120
tgcccagagc tcctggacca atgcatcttc ccaccacctt aaaccactga gcagttcaga    180
gccccagttg cagacgactt gtcctgccac caccatgagt tctgaatgtg atggtggttc    240
caaagctgtg atgaatggct tggcacctgg cagcaatggg caagacaaag acatggatcc    300
tacaaaaatc tgcactggga agggagcggt gactctccgg gcctcgtctt cctacaggga    360
aaccccaagc agtagccctg cgagccctca ggaaacccgg caacacgaaa gcaaaccagg    420
tctggagcca gagccttctt cagcagatga gtggaggctt tcttccagtg ctgatgccaa    480
tggaaatgcc cagccctctt cactcgctgc caagggctac agaagtgtgc atcccaacct    540
tccttctgac aagtcccagg atgccacttc ctccagtgca gcccagccgg aggtaatagt    600
tgtccctctc tacctggtta atactgacag agggcaagaa ggcactgcca gacctccaac    660
acctctgggg cctcttggct gcgtccccac aatcccagcg actgcctctg ccgcctcacc    720
tctgaccttc ccgactctag atgatttcat tccccctcat ctgcagaggt ggccccacca    780
cagccagcca gcccgcgcct ctggctcctt tgcccccatt agccagacgc caccatcctt    840
ctcaccacca cctccgctgg tccctcctgc cccggaggac ctccgcagag tctcggagcc    900
tgacctcacg ggagctgttt cgagtaccga ttccagtcct ctactaaatg aagtttcttc    960
```

```
ttcccttatt ggaactgatt cccaagcctt tccatcagtt agcaagcctt catccgccta    1020
tccctccaca acgattgtca atcctactat tgtgctcttg caacacaatc gagaacagca    1080
aaaacgactc agtagccttt cagatcctgt ctcagaaaga agagtgggag agcaggactc    1140
agcaccaacc caggaaaaac ccacctcacc tggcaaggct attgaaaaaa gagcaaagga    1200
tgacagtagg cgggtggtga agagcactca ggacttaagc gatgtttcca tggatgaagt    1260
gggcatccca ctccggaaca ctgagagatc aaaagactgg tacaagacta tgtttaaaca    1320
gatccacaaa ctgaacagag atgatgattc agatctgtac tctcccagat actcattttc    1380
tgaagacaca aaatctcccc tttctgtgcc tcgctcaaaa agtgagatga gctgcattga    1440
tggtgagaag gtagtcaaga ggtcggccac actacccctc ccagcccgct cttcctcact    1500
gaagtcaagc tcagaaagaa atgactggga accccagat aagaaagtag atacaagaaa    1560
atatcgtgca gagcccaaga gcatttacga atatcagcct ggcaagtctt ccgttctgac    1620
caacgaaaag atgagctcag ccatcagccc tactccggaa atttcttcag agactcctgg    1680
atatatatat tcttccaact tccatgcagt gaagagggaa tcagacgggg ctcctgggga    1740
tctcactagc ttggagaatg agagacaaat ttataaaagt gtcttggaag gtggtgacat    1800
ccctcttcag ggcctgagtg ggctcaagcg accatccagc tctgcttcca ctaaagattc    1860
agaatcgcca agacatttta taccagctga ttacttggaa tccacggaag aatttattcg    1920
aagacgtcat gatgataaag agatgagacc tgccagagcc aaatttgact ttaaagctca    1980
gacactaaag gagcttcctc tgcagaaggg agatattgtt tacatttata agcaaattga    2040
tcagaactgg tatgaaggag aacaccacgg ccgggtggga atcttcccac gcacctacat    2100
cgagcttctt cctcctgctg agaaggcaca gcccaaaaag ttgacaccag tgcaggtttt    2160
ggaatatgga gaagctattg ctaagtttaa ctttaatggt gatacacaag tagaaatgtc    2220
cttcagaaag ggtgagagga tcacactgct ccggcaggta gatgagaact ggtacgaagg    2280
gaggatcccg gggacatccc gacaaggcat cttccccatc acctacgtgg atgtgatcaa    2340
gcgaccactg gtgaaaaacc ctgtggatta catggacctg cctttctcct cctccccaag    2400
tcgcagtgcc actgcaagcc cacagcaacc tcaagcccag cagcgaagag tcacccccga    2460
caggagtcaa acctcacaag atttatttag ctatcaagca ttatatagct atataccaca    2520
gaatgatgat gagttggaac tccgcgatgg agatatcgtt gatgtcatgg aaaaatgtga    2580
cgatggatgg tttgttggta cttcaagaag gacaaagcag tttggtactt ttccaggcaa    2640
ctatgtaaaa cctttgtatc tataagaaga ctgaaaacca tggagattat ttttattgga    2700
ggaggaagca tcattcatga accgatcttt ttagttgagt cagtaggaaa attaatacag    2760
tggataaagt aagaagcaaa agacagggac agagaagtgt tgtgtttaaa acccaagcct    2820
gtctaaggtt actgtgtatt agacagggcc gaactagtgt gctgagcaaa aagaattgaa    2880
gcaaattgta tttacttagc cgcttctggg agccacttca gcctttcccc tcccctccac    2940
ttcttgggta atctgacctg aagcatagtc caggagcaga gttagccaga aatgcctcct    3000
gctgccccag ccttagagag ctcccatctc aatcattgag cctgaaggct tcaagcccaa    3060
gaatgcaaca agacccccag cctacatttc tcagctcccc tggagccagc tgatcctgta    3120
acgctgctgg aggtcagtct gagctaccaa gactgtccct agacaaaggt ggagtccccc    3180
acactgccca agaccaaatc cctcactcaa cctgctgagg tgtggatggg gaaacagagg    3240
caaaactgag gcacctgatg cattcagcct gctgtgcagc agtgccattg actgccctga    3300
tgttcagaga gaaacgcaca caaggtttgc ccatgagaat tggggagcag atggccaagc    3360
agataggtta tgtctgtttt ctgagtgatg aagtcaggaa gccctgtggc tctggaggcc    3420
acttgtggtt cattcttttc ccatatcctt ggctttttaga aatggttacc ttcaggacag    3480
tgcagctgca tttatcagag cactattgct aagttttctt ttctggcttg tgttttttctg    3540
ggacagttta gaattgggag gcctattctc atagaacacc aaaaatgatg ttcagtgatt    3600
catttaacat acaccaatgt actctggctg ctggggggac aaccataagc aagacatgcc    3660
cagggtttgc cggggctcca aatctactcc ctgtaggagt tcaaggatca cacaaacggt    3720
agtaaccagg gttgggaatc tgagtacacc cgtctgtttt ttgtgggggc caaatcaaaa    3780
caattttgcc actaccagca gcaaccagga cgtctgtttt ttgtgggggc caaatcaaaa    3840
aaaaaaggcc cctgtgacgc ccgggctgct tggtcacaac tctgtccaat tcaaggatgt    3900
ttatcggcct ctcttagatc ctgagtgaga caaacagaaa atgaacttaa tcaagagaga    3960
ccagaaactc agaggtgatt ggggagactg acacaggaaa atgaacttaa tcaagagaga    4020
ctgtgatatg tgctaaaaag ggtgtgaggg agggagagat tttaaacaac tagggtgctg    4080
ctagaaagca ttgtcatatt gccatctcca ttagctcact tttaaacaac tagggtgctg    4140
gaagaacctt tgtctgaggg tagttcatag ctggaaatac ttggaatatt ttccagagtc    4200
tctaaactct catcttcccc cacagataca catccaagct cacatatctca gaattacccc    4260
ctaggtggta gggttgtgta cggaacccct ggctgtctgc atatatctca gaattacccc    4320
aggaccattg tcccaaagtc tagagtcttt acaggtaggc aaaatttgtt ttcaatgcct    4380
```

7010

```
gtgcctcagc tgctgtcaca aatacccatc ttaggatccc atcagcttcc catcccccac    4440
cagacagcca cagtaccctc actttctccc tattgttctt tcaaatcctg ttctcaggaa    4500
agaaactgcc actaattcat tcacactaag gtgtaaatga ttgataatag gaatgagtta    4560
cctcttccca cagacatttg ttttttaagta tgacagagca gggccttaat cccaagggaa    4620
aaggttatgg aactggaggg ggtgagcttt ctgggtagaa ggagacttcc tgaatttcct    4680
taaaacccag taagagtaag acctgttgtt ttggaaggtc tgctccacca tctaagagca    4740
ctgttttttt tttgttgttg ttgttgttgt tttacggcct ctgagggaat atagtaaaaa    4800
tgcatatgca cgtgcaattt gcacggcagc atttcaccga ttgtggactg tattggctaa    4860
tgtgtttcct ggtctttaga tgcaaaccat taataacact atcttatctc atagttttt    4920
caggggtgct tcttgattag tagggaattt tgaacacctc tttaaataca gctagaaaat    4980
aaaaccaatt tgtaaagcca catttgcata tgatgccagc ctcacgcatt tgtatatctc    5040
cagaaattca ggtatgcctc accaatttgc ccgtctttaa taaaatcttg tgttaaaatt    5100
tgcatcacgt cgccttccta tgtatgacga aacaagaaac agagatttcc aattgctctt    5160
ttgtcttcag acatttagta atataaagta cctattttta tgctgaaatg tttatacagg    5220
tttattaata gcaagtgcaa ctaactggcg gcatgccttg caacacattt tgatatatta    5280
gccatgcttc cgggtaaagg caagccccaa actccttatc ttttgcagtc tctctgggat    5340
cagtaaaaga aaaaaaaaaa taatgtgctt aagaagtggg actgtaaata tgtatattta    5400
actttgtata gcccatgtac ctaccttgta tagaaaaata attttaaaaa tttgaatgga    5460
agggggtaaa ggaagtcatg aagttttttt gcatttttat ttaaatgaag gaattccaaa    5520
taactcacct acagattttt agcacaaaaa tagccattgt aaagtgttaa aatttacgat    5580
aagtattcta ttggggagga aaggtaactc tgatctcagt tacagttttt ttttcctttt    5640
taatttcatt attttgggtt tttggttttt gcagtcctat ttatctgcag tcgtattaag    5700
tcctattgct agaataggtt actacaaaaa aggttatatt ctgaaagaaa aataactgac    5760
attatatata accaattaat ttaaagtatt gccatttaaa ttacacactg agagcatgtc    5820
ctatgcagac atagattttt ctgttcattt atttttcttc attgcagtgg attgatttga    5880
taaatagatg tgttgaatta ctacatttgc tgtacatatt atttaataaa ctttattcag    5940
aattgcgtgg caaaaaaaaa a                                               5961


        <210> 8423
        <211> 1583
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (207)...(1196)
        <223> similar to gi1397319 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters



        <400> 8423
tgtggcggtg gcgctggtgg ctgcggcggc ggcggcggca gcggcgctcg agcggttcct      60
gtcagggtca gccggcgggc cccctgggtg gtccacctgc aaatcgcgga gcggcgcccc     120
agggatcgat ggcgatgaac tataacgcga aggatgaagt ggacggtggg cccccgtgtg     180
ctccgggggg caccgcgaag actcggagac cggataacac ggccttcaaa cagcaacggc     240
tgccagcttg gcagcccatc cttacggctg gcacggtgct acctattttc ttcatcatcg     300
gtctcatctt cattcccatc ggcattggca ttttttgtcac ctccaacaac atccgcgaga     360
tcgagattga ttataccgga acagagcctt ccagtccctg taataaatgt ttatctccgg     420
atgtgacacc ttgcttttgt accattaact tcacactgga aaagtcattt gagggcaacg     480
tgtttatgta ttatggactg tctaatttct atcaaaacca tcgtcgttac gtgaaatctc     540
gagatgatag tcaactaaat ggagattcta gtgctttgct taatcccagt aaggaatgtg     600
```

```
aaccttatcg aagaaatgaa gacaaaccaa ttgctccttg tggagctatt gccaacagca        660
tgtttaatga tacattagaa ttgtttctca ttggcaatga ttcttatcct atacctatcg        720
ctttgaaaaa gaaaggtatt gcttggtgga cagataaaaa tgtgaaattc agaaatcccc        780
ctggaggaga caacctggaa gaacgattta aaggtacaac aaagcctgtg aactggctta        840
aaccagttta catgctggat tctgacccag ataataatgg attcataaat gaggatttta        900
ttgtttggat gcgtactgca gcattaccta cttttcgcaa gttgtatcgt cttatagaaa        960
ggaaaagtga tttacatcca acattaccag ctggccgata ctctttgaat gtcacataca       1020
attaccctgt acattatttt gatggacgaa aacggatgat cttgagcact atttcatgga       1080
tgggaggaaa aaatccattt ttggggattg cttacatcgc tgttggatcc atctccttcc       1140
ttctgggagt tgtactgcta gtaattaatc ataaatatag aaacagtagt aatacagctg       1200
acattaccat ttaattttat attatgaaag caaatcatct gcatgtgcat caaggccagt       1260
cctattcaac ctagctttcg aatgctgata tctggttagt atgtcatttt gaaggggcga       1320
cataactttt ctaaaaaaaa gcagtctttg ttgtttgctt cttccctacg gatgacttct       1380
aaaaatatat gacgggtata aaaaaattag ctatattgat catatcaaca ctgtaactgc       1440
tgaaatggca ttctaatgtt tgcttttat tcggacaggc cacatgatgc atagagcctc       1500
tttcatgtga cttgtgtcta ctgcttaaat ctttatgctg tgttgatgat attatattga       1560
catatgaagc tgtaaaaaaa aaa                                               1583
```

```
    <210> 8424
    <211> 2799
    <212> DNA
    <213> Homo sapiens

    <220>
    <221> misc_feature
    <222> (125)...(1253)
    <223> similar to gi4007163 in the genepept database release 114,
          Run with FASTXY 3.3t00, default parameters



    <400> 8424
cggccgacga tctcgtgcct cgggaatccc tggacggcgg cggcggatcg ggagggaagc         60
cgcccctggg gactgagcgc tgcggtcctg gctatgggag gaggcaactt tcagggttca        120
cagcatgtcc gcctcggccc ctgctgcgga gggggaggga accccaccc agcccgcgtc        180
cgagaaagaa cccgaaatgc ccggtcccag agaggagagc gaggaggaag aggacgagga        240
cgacgaggag gaggaggagg aggaaaaaga aaagagtctc atcgtggaag gcaagaggga        300
aaagaaaaaa gtagagaggt tgacaatgca agtctcttcc ttacagagag agccatttac        360
aattgcacaa ggaaaggggc agaaactttg tgaaattgag aggatacatt ttttctaag        420
taagaagaaa accgatgaac ttagaaatct acacaaactg ctttacaaca ggccaggcac        480
tgtgtcctca ttaaagaaga atgtgggtca gttcagtggc tttccatttg aaaaaggaag        540
tgtccaatat aaaaagaagg aagaaatgtt gaaaaaattt agaaatgcca tgttaaagag        600
catctgtgag gttcttgatt tggagagatc aggtgtaaat agtgaactag tgaagaggat        660
cttgaatttc ttaatgcatc caaagccttc tggcaaacca ttgccgaaat ctaaaaaaac        720
ttgtagcaaa ggcagtaaaa aggaacggaa cagttctgga atggcaagga aggctaagcg        780
aaccaaatgt cctgaaattc tgtcagatga atctagtagt gatgaagatg aaaagaaaaa        840
caaggaagag tcttcagatg atgaagataa agaaagtgaa gaggagccac caaaaaagac        900
agccaaaaga gaaaaaccta aacagaaagc tacttctaaa agtaaaaaat ctgtgaaaag        960
tgccaatgtt aagaaagcag atagcagcac caccaagaag aatcaaaaca gttccaaaaa       1020
agaaagtgag tctgaggata gttcagatga tgaaccttta attaaaaagt tgaagaaacc       1080
ccctacagat gaagagttaa aggaaacaat aaagaaatta ctggccagtg ctaacttgga       1140
agaagtcaca atgaaacaga tttgcaaaaa ggtctatgaa aattatccta cttatgattt       1200
```

7012

```
aactgaaaga aaagatttca taaaaacaac tgtaaaagag ctaatttctt gagatagagg   1260
acagagaaga tgactcgttc ccatagattt gaagatctga tttataccat tataccagca   1320
aagagaatgt atttcctttt ctaaatcctt gttaagcaac gttagtagaa cttactgctg   1380
acctttttat cttgagtgtt atgtgaattt gagtttgctg ttttaaattg catttctatg   1440
ccatttttag tttaaaatct tgcatggcat taattgttcc ttgctttat agttgtattt    1500
tgtacatttt ggatttcttt atataaggtc atagattctt gagctgttgt ggttttttagt   1560
gcacttaata ttagcttgct taaggcatac ttttaatcaa gtagaacaaa aactattatc    1620
accaggattt atacatacag agattgtagt atttagtata tgaaatattt tgaatacaca    1680
tctctgtcag tgtgaaaatt cagcggcagt gtgtccatca tattaaaaat atacaagcta    1740
cagttgtcca gatcactgaa ttggaacttt tctcctgcat gtgtatatat gtcaaattgt    1800
cagcatgaca aaagtgacag atgttatttt tgtattttta aaaaacaatt ggttgtatat    1860
aaagtttttt tatttctttt gtgcagatca ctttttaaac tcacataggt aggtatcttt    1920
atagttgtag actatggaat gtcagtgttc agccaaacag tatgatggaa cagtgaaagt    1980
caattcagtg atggcaacac tgaaggaaca gttaccctgc tttgcctcaa aagtgtcatc    2040
aatttgtaat tttagtatta actctgtaaa agtgtctgta ggtacgtttt atattatata    2100
aggacagacc aaaaatcaac ctatcaaagc ttcaaaaact ttgggaaagg gtgggattaa    2160
gtacaagcac atttggctta cagtaaatga actgattttt attaactgct tttgcccata    2220
taaaatgctg atatttactg gaaacctagc cagcttcacg attatgacta aagtaccaga    2280
ttataatgcc agaatataat gtgcaggcaa tcgtggatgt ctctgacaaa gtgtgtctca    2340
aaaataatat acttttacat taaagaaatt taatgtttct ctggagttgg ggctcttggc    2400
tttcagagtt tggttaatca gtgttgattc tagatgatca acataatgga ccactcctga    2460
atgagactta attttgtctt tcaaatttac tgtcttaaat cagtttatta aatctgaatt    2520
ttaaaacatg ctgtttatga cacaatgaca catttgttgc accaattaag tgttgaaaaa    2580
tatctttgca tcatagaaca gaaatatata aaaatatatg ttgaatgtta acaggtattt    2640
tcacaggttt gtttcttgat agttactcag acactaggga aaggtaaata caagtgaaca    2700
aaataagcaa ctaaatgaga cctaataatt ggccttcgat tttaaatatt tgttcttata    2760
aaccttgtca ataaaaataa atctaaatca aaaaaaaaa                           2799
```

<210> 8425
<211> 4210
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (43)...(743)
<223> similar to gi577291 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8425
```
cctagtccag tgcggtggaa ttcccgcggt gcagcgaaaa tggcggcttc caggtgggcg     60
cgcaaggccg tggtcctgct ttgtgcctct gacctgctgc tgctgctgct actgctacca    120
ccgcctgggt cctgcgcggc cgaaggctcg cccgggacgc ccgacgagtc taccccacct    180
ccccggaaga agaagaagga tattcgcgat tacaatgatg cagacatggc gcgtcttctg    240
gagcaatggg agaaagatga tgacattgaa gaaggagatc ttccagagca caagagacct    300
tcagcacctg tcgacttctc aaagatagac ccaagcaagc ctgaaagcat attgaaaatg    360
acgaaaaaag ggaagactct catgatgttt gtcactgtat caggaagccc tactgagaag    420
gagacagagg aaattacgag cctctggcag ggcagccttt tcaatgccaa ctatgacgtc    480
cagaggttca ttgtgggatc agaccgtgct atcttcatgc ttcgcgatgg gagctacgcc    540
tgggagatca aggacttttt ggtcggtcaa gacaggtgtg ctgatgtaac tctggagggc    600
```
```
7013
```

```
caggtgtacc ccggcaaagg aggaggaagc aaagagaaaa ataaaacaaa gcaagacaag    660
ggcaaaaaaa agaaggaagg agatctgaaa tctcggtctt ccaaggaaga aaatcgagct    720
gggaataaaa gagaagacct gtgatggggc agcagtgacg cgctgtgggg ggacaggtgg    780
acgtggagag ctctttgccc agctcctggg gtgggagtgg tctcaggcaa ctgcacaccg    840
gatgacattc tagtgtcttc tagaaagggt ctgccacatg accagtttgt ggtcaaagaa    900
ttactgctta ataggcttca agtaagaaga cagatgtttt ctaattaata ctggacactg    960
acaaattcat gtttactata aaatctcctt acatggaaat gtgactgtgt tgcttttttcc   1020
catttacact tggtgagtca tcaactctac tgagattcca ctcccctcca agcacctgct   1080
gtgattgggt ggcctgctct gatcagatag caaattctga tcagagaaga ctttaaaact   1140
cttgacttaa ttgagtaaac tcttcatgcc atatacatca ttttcattat gttaaaggta   1200
aaatatgctt tgtgaactca gatgtctgta gccaggaagc caggtgtgt aaatccaaaa    1260
tctatgcagg aaatgcggag aatagaaaat atgtcacttg aaatcctaag tagttttgaa   1320
tttctttgac ttgaatctta ctcatcagta agagaactct tggtgtctgt caggttttat   1380
gtggtctgta aagttagggg ttctgttttg tttccttatt taggaaagag tactgctggt   1440
gtcgaggggt tatatgttcc atttaatgtg acagttttaa aggatttaag tagggaatca   1500
gagtcctttg cagagtgtga cagacgactc aataacctca tttgtttcta aacattttc    1560
tttgataaag tgcctaaatc tgtgctttcg tatagagtaa catgatgtgc tactgttgat   1620
gtctgatttt gccgttcatg ttagagccta ctgtgaataa gagttagaac atttatatac   1680
agatgtcatt tctaagaact aaaattcttt gggaaaaacc ctcaattgtg attttaataa   1740
attaaaagta gcacattaca tggttagaaa atgtcagtgt taaagaatgg tacaaagtga   1800
aaagtgtatc cctctcttgc cgccggtggt agcttgtccc agtggaagct gctgttaaca   1860
atttgtgccc ccacatcccc ctccctgccc atccaccaaa aaaaagtaca tttacttatg   1920
taaatgtact tatggtgatg tatgtttgtt ttggcctcac agcatctgtt tcccctaat    1980
ttggtagctg ctcacatttc cctcgaaaga accacaccct ctgcattctc agttctttgc   2040
tttggatggg acatttgccc tgcagtcccc ccaccctcca ggccatgccc tctccagggt   2100
gaggcctgtg tgatctaccg tactagggta ctaggccctg aaagaggctt ttcttgttcc   2160
tcttgcattt tgaacctgga gcgggagctg ttgtaggccc cgcccttgga gaagagaact   2220
gtctgacagt ggggagagag cgccacaccc tggtggcata aacgagtccc tgaatcatgc   2280
cgtggctgaa ccaagccctg tctgtgggct ttttctgttg tactcagggc agtttgatgg   2340
ggttactgtc ctgcatagcc ataatggccc agtataaagc agctgttttg atgagataat   2400
tgctttaatt aagcaaaagg tagcaaagct ttcactccgc cctgtacctt ctgtttccac   2460
ttaggagcct tcccatgtca gaatgtgcag atctgtctca ttgtttcctg tgcagtgtgc   2520
ccccacttca cccagtagtt tctgtgtgtc tgttatgtac taggtactac aaggtgccag   2580
gacggtgtag atacagcctc tgctatcgta aaactcaatg attcggtggg ggaagacaaa   2640
tgtcagtaat gtacaaagta aaatggcagc tgttagaagt atgaaagggg cagggtaggg   2700
ggaggtagaa tcttccctga ccaggttaag aaaaccagag gccttctctg agggcaagag   2760
gaggagagga gaaatagagt aaggcaggca gaggaaacag tctgagctaa gaccctgtgg   2820
ctagaagtgg cagagggaga ggcagcagga aggccagcgg ggaggctggg gcccagtgca   2880
ggcccaggtt ggaggagcgt agcacatgga gtttggtagg agtttgggac gccctggtgg   2940
atcttaattg tgatggggtg ggtgtgaaag gcagtccagg ttgcactggt tgcacaggag   3000
aagtgatcag aagaggaccc cagcaggtgt gagccgtgag ctgggaggtg cttcagtagt   3060
gcaggccata gctgaaggtg tcctacatca gcagggtgat ggtgaggttt gaaccactgt   3120
ttcactgcat agtccctgct gatggacact tgagtgttca gatttttgc tggtatattc   3180
agtgctgcag tggacatttt catacaaaat atttcggtac acttttgttt atatctgaaa   3240
ggtaaattcc tagcagtaga attattagag caaacggaat ttaacatttt ggtgtgtatt   3300
gccaaattgc cctcccaagt ggtttagtca gcttacccct gccaacaata gatctatcct   3360
tgccagcctt gggcatcaca tttaccagtt taatagattg taaaaccata tcttaattgg   3420
ctaccctgaa gccaccatac tggagaggct gcgtacagtg tttcacgtag agagagggat   3480
acccaggagg cccacctgct ccaaccccag ctgcatgagt cttcccagcc caggcacaga   3540
catgtggata agatttaaac attttcagcc ccagccttca agcaatccta gttgacactg   3600
aggggagcca acataagctg agctgagaaa cagtctgccc agtctgcaga ttcatgagca   3660
aaagaaatgt tgggctgggt acagtggctc acgcctgtaa tcccagtact ttgggaggcc   3720
gaggtgggtg gatcagttga ggtcaggagt ttgagaccag cctggccaac atggtgaagc   3780
cctgtctcta ctaaaaatta gccgagtgtg gtggtgcggg cctgtaatcc cagctactca   3840
ggtggctgag gcaggagaat ggcttgaacc cggggggcgg aggttgcagt gagccaagat   3900
caggccactg cactccagcc tggatgacgg gatgagactc tgtctcaaaa aaacgaaaca   3960
aaaatttttt aagagaaatg tcatttgttt ttgttttga dacagggtct cactctgttg   4020
```

```
ccctcactgg agtgcagtag ggatcacggc tcactgaagt ctctacctac cggctcaatt        4080
gatcttccca ccacagcctc ccaaatagct gggagaaatg tcctgttttt aatgaatttg        4140
tcttcctttt tgtcttgttt gttttaatat ctagtgatct aataaatttg gatgatatct        4200
tttgactatc                                                               4210
```


<210> 8426
<211> 1319
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (49)...(822)
<223> similar to gi2632306 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8426
```
ggctaaagcg gcagccgccg gggcgcaatg cgagcggctg gcgtaggctt ggtggactgt          60
cactgccacc tctccgcccc ggactttgac cgcgatttgg atgatgtgtt ggagaaagcc         120
aagaaggcca atgttgtggc ccttgtggca gttgccgaac attcaggaga atttgaaaag         180
attatgcaac tttcagaaag gtataatggg tttgtcctgc catgcttggg tgttcatcca         240
gttcaaggac ttccaccaga agaccaaaga agtgtcacac taaaggattt ggatgtagct         300
ttgcccatta ttgagaatta taaggatcgg ttgttggcaa ttggagaggt tggactagat         360
ttctcccca gatttgctgg cactggtgaa cagaaggaag agcaaagaca agtcctaatc          420
agacagatcc agttagccaa aagactaaat ttgcctgtaa atgtgcactc acgctctgct         480
ggaagaccta ccatcaacct tttacaagag caaggtgctg agaaggtact gctgcatgca         540
tttgatggtc ggccatctgt agccatggaa ggagtaagag ctgggtactt cttctcaatt         600
ccccttcta tcataagaag tggacagcag aaacttgtga acaattgcc tttaacttct           660
atatgcttag aaacagattc acctgcacta ggaccagaaa acaggtacg gaatgagccc          720
tggaacattt ctatttcagc agaatatatt gcccaggtga aagggatctc agtggaagaa         780
gttatagaag tgacgacaca gaatgcatta aaactgtttc ctaagctccg acacttgctc         840
cagaaatagc ttcaaaacca tccattacaa aatcgaatca actgcagggg gcagcatttg         900
aaaaatagaa atgttctgat gaagaatctg aactgaagaa gctgtttat agggttatag           960
aagattgtaa ttgtagagaa atatttctct tagaaataaa actgggcttg gatcctgaaa        1020
ccctgggttc tgattctagc cttgtgctgc ttttcaatta gccgagttct ggcaggatat        1080
tgggaaaata ctgctacttc ttacattgcc cttttatata gaaccaccac ctgaactgaa        1140
accattgcta ctgggaaggg tggctcccac aggaagagta taagcactac tgtgatgagg        1200
atggagtaag ctaaagtata ctttttttt ttttggaggg atttcccttg ttgtgcccaa         1260
ggttgaaggg catgggccca atttgggtta atggaaccct caatttccag ggttttagg         1319
```


<210> 8427
<211> 841
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (685)...(465)
<223> similar to gi2407909 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8427
```
tttttttctg ttttgacaca tggataaact tttattgaca taccaaaggg aaaaaaacca     60
atattcactg aaggctgccg aatctatatt cctaagagta aaggtgttta attgactctc    120
cactcttaaa acactttgta tgaaatatag ctaggaatat acataaagaa ttcagattac    180
aaaactctcc aggaaatcga tagtgatcat ataatactgg aactacagtt aaaaacaaaa    240
caaaccaatc tttgaggatt cctaactgta gtttacttga cagtgcagat catctgtacc    300
aactttctat agcaagttgt aataggcaat tgtaagcaaa cagtatcaat ctgtgtaact    360
tgtaaaaatt catctgaagt tgtttggagc tgtatgacaa tggatgttat tcttccggtt    420
ctcccagcag ctctacaaaa tcagtgatat accatttggc gttatccttg acttgttgcc    480
tgatcacatt tcctccaaat ccaatgaaag catccgattc cttcttcact gatgaccgtg    540
ctgtcaacat caaaacacac agcatctgct gagtagaaaa gcttcctcag ctctgagtgg    600
gagatcatcc ttggaagaat tttcctccca ggctcaggtg aggcgagtgc gccgccgggg    660
ctgcagctgg cgctggccat tgagaagctt ctgcgctacc ttgcgatcgt gcccgccact    720
tcccgcagga cgggaagtcg taaagctcct cctggtagct tataggcggc ggcggccagg    780
cagaagcctg cggacaccca acagccactt tagctgacgc cagccaggga gcctgtggct    840
t                                                                     841
```


<210> 8428
<211> 2137
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (43)...(1313)
<223> similar to gi1199524 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8428
```
cccggaattt ccgggtcgac gatttcgtag attacaacgg tgatggcggg caagcggtcc     60
ggctggagcc gggcggctct cctccagctc cttctcggcg tgaacctggg ggtgatgccg    120
cccacccggg cccggagtct gcgcttcgtt accttgctgt accgccatgg agaccgttca    180
ccagtgaaga catatcccaa ggacccctat caggaagaag aatggcccca ggggtttggt    240
cagttaacca aggaggggat gctacagcac tgggaactgg gccaggccct gcggcagcgc    300
tatcacggct tcctaaacac ctcttatcac cggcaagagg tttatgtgcg aagcacagac    360
tttgaccgga ctctcatgag tgctgaggcc aacctggctg gactcttccc tcccaacggg    420
atgcagcgct tcaacccgaa catctcgtgg cagcctattc ctgtgcacac tgtgcccatc    480
actgaggaca ggctgctgaa gttcccgttg ggcccatgtc cccgttatga gcagctgcag    540
aacgagaccc ggcagacacc agagtatcag aatgagagtt ctcggaatgc acaatttctg    600
gacatggtgg ccaacgagac agggcttaca gacctgacac tggagaccgt ctggaatgtc    660
tatgacacac tcttctgtga gcaaacgcac gggctgcgcc tgccgccctg ggcctcaccc    720
caaaccatgc agcgtctcag ccggctaaag gacttcagct tccgcttcct cttcggaatc    780
```

```
taccagcagg cggagaaggc ccggcttcag gggggagtcc tgctggctca gataaggaag    840
aacctgaccc taatggcgac cacctcccag ctccccaagc tgctggttta ctctgcgcac    900
gacactaccc tggttgccct gcaaatggca ctggatgtct acaatggtga acaagccccc    960
tacgcctcct gccacatatt tgaactgtac caggaagatt ctgggaattt ctcagtggag   1020
atgtactttc ggaacgagag tgacaaggcc ccctggccgc tcagcctgcc tggctgccct   1080
caccgctgcc cactgcagga cttccttcgc ctcacagagc ccgtcgtgcc caaggattgg   1140
cagcaggagt gccagctggc aagcggtcct gcagacacag aggtgattgt ggccttggct   1200
gtatgtggct ccatcctctt cctcctcata gtgctgctcc tcaccgtcct cttccggatg   1260
caggcccagc ctcctggcta ccgccacgtc gcagatgggg aggaccacgc ctgacaacca   1320
ctcagccccc ttccctccac ctcctagggg aggtgggctg ggccctcgct cctgactgtt   1380
gctgctcccc agcccatgga caggagatcc tgggttgggc ctccctctga tgaccccagc   1440
cagatgagcg agtggggctc agcgtggccc atggtgcctg tcactcagca ttcccatgcc   1500
tgatgtttac caagtgctgt gttggacact ggctttctcc aaacaggatt tgcctcctcc   1560
acgctcccta cacacctgag atgtaaactg gcagtcagtg ttcactcagg acctaggatt   1620
agaaaatggc agagttggtg ctggatccac cttgcacttc tatcaagccc tgttcttttt   1680
cctccagcct gaagtcttcg gcaaatagct cagagggaca tggtcttgcc tctcagtgct   1740
tattttagtg ggaaaaacag ctaataccag gggtacaaac attggctccc aaggaactgg   1800
atcacccaac agccagccag ccacatttcc ctgtgtctgg ctagagccac cattagactc   1860
agacagaatg cttcaggaat cgttgtcacc ccttcaactg gagcaggacg gaaggttgtc   1920
tgtacttggg agggagtggg gagtggtggg aagggagttg cttgtcacac gaatcaggaa   1980
actgctctcc ctcagctggg ctggggtctc cagggacctg agctacatgc aggttgtgag   2040
ctggaaaaga aagttctaga ctgtggccca gaatagggct ggggcagctc ccagagaatg   2100
aatagtgctg tttcctattg gactgataaa aaaaaaa                            2137
```

<210> 8429
<211> 2366
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (153)...(1475)
<223> similar to gi2429516 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8429
```
tttcgtgagc actcgggcgg cggcgtcctg gagacccgcg agagatggaa gcggcggcga     60
cgccggcggc tgccggggcg gcgaggcgcg aggagctaga tatggatgta atgaggccct    120
tgataaatga gcagaatttt gatgggacat cagatgaaga acatgagcaa gagcttctgc    180
ctgttcagaa gcattaccaa cttgatgatc aagagggcat ttcatttgta caaactctta    240
tgcaccttct taaaggaaat attggaactg gccttttagg acttccattg gcaataaaaa    300
atgcaggcat agtgcttgga ccaatcagcc ttgtgtttat aggaattatt tctgttcact    360
gtatgcacat attggtacgt tgcagtcact ttctatgtct gaggtttaaa aagtcaacat    420
taggttatag tgacactgtg agctttgcta tggaagtgag tccttggagt tgtcttcaga    480
agcaagcagc atgggggcgg agtgtggttg acttttttct ggtgataaca cagctgggat    540
tctgtagtgt ttatattgtc ttcttagctg aaaatgtgaa acaagttcat gaaggattcc    600
tggagagtaa agtgtttatt tcaaatagta ccaattcatc aaacccttgt gagagaagaa    660
gtgttgacct aaggatatat atgctttgct ttcttccatt tataattctt ttggtcttca    720
ttcgtgaact aaagaatcta tttgtacttt cattccttgc caacgtttcc atggctgtca    780
gtcttgtgat aatttaccag tatgttgtca ggaacatgcc agatccccac aaccttccaa    840
```

```
tagtggctgg ttggaagaaa tacccactct tttttggtac tgctgtattt gcttttgaag      900
gcataggagt ggtccttcca ctggaaaacc aaatgaaaga atcaaagcgt ttccctcaag      960
cgttgaatat tggcatgggg attgttacaa ctttgtatgt aacattagct actttaggat     1020
atatgtgttt ccatgatgaa atcaaaggca gcataacttt aaatcttccc caagatgtat     1080
ggttatatca atcagtgaaa attctatatt cctttggcat ttttgtgaca tattcaattc     1140
agttctatgt tccagcagag atcattatcc ctgggatcac atccaaattt catactaaat     1200
ggaagcaaat ctgtgaattt gggataagat ccttcttggt tagtattact tgtgccggag     1260
caattcttat tcctcgttta gacattgtga tttccttcgt tggagctgtg agcagcagca     1320
cattggccct aatcctgcca cctttggttg aaattcttac attttcgaag gaacattata     1380
atatatggat ggtcctgaaa aatatttcta tagcattcac tggagttgtt ggcttcttat     1440
taggtacata tataactgtt gaagaaatta tttatcctac tcccaaagtt gtagctggca     1500
ctccacagag tcctttttcta aatttgaatt caacatgctt aacatctggt ttgaaatagt     1560
aaaagcagaa tcatgagtct tctatttttg tcccatttct gaaaattatc aagataacta     1620
gtaaaataca ttgctatata cataaaaatg gtaacaaact ctgttttctt tggcacgata     1680
ttaatatttt ggaagtaatc ataactcttt accagtagtg gtaaacctat gaaaaatcct     1740
tgcttttaag tgttagcaat agttcaaaaa attaagttct gaaaattgaa aaaattaaaa     1800
tgtaaaaaaa ttaaagaata aaaatacttc tattattctt ttatctcagt aagaaatacc     1860
ttaaccaaga tatctctctt ttatgctact cttttgccac tcacttgaga acagaatagg     1920
atttcaacaa taagagaata aaataagaac atgtataaca aaaagctctc tccagatcat     1980
ccctgtgaat gccaaagtaa actttatgta cagtgtaaaa aaaaaaaatc tcagttatgt     2040
ttttattagc caaattctaa tgattggctc ctggaagtat agaaaactcc cattaacata     2100
atataagcat cagaaaattg caaacactag gaattaattt tacactctaa atggtagttg     2160
atcttcatag tcaagaggca ctgttcaaga tcatgactta gtgtttcaat gaaatttgaa     2220
aagggacttt aaaacttatc cagtgcaact cccttgtttt tcgtcagagg aaaaggaggc     2280
ctagaaaggt taagtaactt ggtcgagacc actcagcctt gagatcaaga aaacctaatc     2340
tttctgactc ccaggccagg gatgtt                                          2366
```

        <400> 8430
```
tttcgtcgag atccggccgc gcgccgaggt ggccaacctc agcgcgcaca gcgccagccc       60
catccaggat gcggtcctga agcgcctgtc gctgctggag gacatcgtgt accggcagct      120
gaatggctta tccaaatccc ttgggctcat tgaaggttat ggtgggcggg gtaaaggggg      180
ccttccggct actctttccc cggctgaaga agaaaaggct aagggacccc atgagaagta      240
tggctacaat tcatacctca gtgaaaaaat ttcactggac cgttccattc cggattatcg      300
tcccaccaag tgtaaggagc tcaagtactc caaggacctg ccccagatat ccatcatatt      360
catcttcgtg aacgaggccc tgtcggtgat cctgcggtcc gtgcacagtg ccgtcaatca      420
cacgcccaca cacctgctga aggaaatcat tctggtggat gacaacagcg acgaagagga      480
gctgaaggtc cccctagagg agtatgtcca caaacgctac cccgggctgg tgaaggtggt      540
aagaaatcag aagagggaag gcctgatccg cgctcgcatt gagggctgga aggtggctac      600
cgggcaggtc actggcttct ttgatgccca cgtggaattc accgctggct gggctgagcc      660
```

```
ggttctatcc cgcatccagg aaaaccggaa gcgtgtgatc ctcccctcca ttgacaacat    720
caaacaggac aactttgagg tgcagcggta cgagaactcg gcccacgggt acagctggga    780
gctgtggtgc atgtacatca gccccccaaa agactggtgg gacgccggag acccttctct    840
ccccatcagg accccagcca tgataggctg ctcgttcgtg gtcaacagga agttcttcgg    900
tgaaattggt cttctggatc ctggcatgga tgtatacgga ggagaaaata ttgaactggg    960
aatcaaggta tggctctgtg ggggcagcat ggaggtcctt ccttgctcac gggtggccca   1020
cattgagcgg aagaagaagc catataatag caacattggc ttctacacca agaggaatgc   1080
tcttcgcgtt gctgaggtct ggatggacga ttacaagtct catgtgtaca tagcgtggaa   1140
cctgccgctg gagaatccgg gaattgacat cggtgatgtc tccgaaagaa gagcattaag   1200
gaaaagttta aagtgtaaga atttccagtg gtacctggac catgtttacc cagaaatgag   1260
aagatacaat aataccgttg cttacgggga gcttcgcaac aacaaggcaa aagacgtctg   1320
cttggaccag gggccgctgg agaaccacac agcaatattg tatccgtgcc atggctgggg   1380
accacagctt gcccgctaca ccaaggaagg cttcctgcac ttgggtgccc tggggaccac   1440
cacactcctc cctgacaccc gctgcctggt ggacaactcc aagagtcggc tgccccagct   1500
cctggactgc gacaaggtca agagcagcct gtacaagcgc tggaacttca tccagaatgg   1560
agccatcatg aacaagggca cgggacgctg cctggaggtg gagaaccggg gcctggctgg   1620
catcgacctc atcctccgca gctgcacagg tcagaggtgg accattaaga actccatcaa   1680
gtagagggag ggagctgggg cactggagcc tggcccccag gacatggctg ctccccccaa   1740
catctggacc agctgccctg gcggagagac agcaaggggc cggcaggtgc tcgatgggcc   1800
ccccagggct tctccagggc agcacaggga ccccggatga agactctgtc cccccctcagg   1860
cattcagctg cccacaagtt tcctgcaccc tggaaaagcc cccccacact gtatt         1915
```

<210> 8431
<211> 1816
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (398)...(987)
<223> similar to gi4416432 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8431
```
gcggccgctc tggccccgtg tccagtgcca ggcaggcttc agggcaccgt cctcggccct    60
gggcgaggga accgccgggc cgggtcctcg cgcggggaag cggttccgaa ggctcgcggg   120
gagcggctag ccctgagtcc ctgcatgtgc ggggctgaag aaggaagcca gaagcctcct   180
agcctcgcct ccacgcttgc tgaataccaa gctgcaggcg agctgccggg cgcttttctc   240
tcctccaatt cagagtagac aaaccacggg gatttctttc cagggtaggg gaggggccgg   300
gcccggggtc ccaactcgca ctcaagtctt cgctgccatg ggggccgtca tgggcacctt   360
ctcatctctg caaaccaaac aaaggcgacc ctcgaaagat aagattgaag atgagctgga   420
gatgaccatg gtttgccatc ggcccgaggg actggagcag ctcgaggccc agaccaactt   480
caccaagagg gagctgcagg tcctttatcg aggcttcaaa aatgagtgcc ccagtggtgt   540
ggtcaacgaa gacacattca agcagatcta tgctcagttt ttccctcatg gagatgccag   600
cacgtatgcc cattacctct tcaatgcctt cgacaccact cagacaggct ccgtgaagtt   660
cgaggacttt gtaaccgctc tgtcgatttt attgagagga actgtccacg agaaactaag   720
gtggacattt aatttgtatg acatcaacaa ggacggatac ataaaccaag aggagatgat   780
ggacattgtc aaagccatct atgacatgat ggggaaatac acatatcctg tgctcaaaga   840
ggacactcca aggcagcatg tggacgtctt cttccagaaa atggacaaaa ataaagatgg   900
catcgtaact ttagatgaat ttcttgaatc atgtcaggag gacgacaaca tcatgaggtc   960
```

                                  7019
```

```
tctccagctg tttcaaaatg tcatgtaact ggtgacactc agccattcag ctctcagaga      1020
cattgtacta aacaaccacc ttaacaccct gatctgccct tgttctgatt ttacacacca      1080
actcttggga cagaaacacc ttttacactt tggaagaatt ctctgctgaa gactttctat      1140
ggaacccagc atcatgtggc tcagtctctg attgccaact cttcctcttt cttcttcttg      1200
agagagacaa gatgaaattt gagtttgttt tggaagcatg ctcatctcct cacactgctg      1260
ccctatggaa ggtccctctg cttaagctta aacagtagtg cacaaaatat gctgcttacg      1320
tgcccccagc ccactgcctc caagtcaggc agaccttggt gaatctggaa gcaagaggac      1380
ctgagccaga tgcacaccat ctctgatggc ctcccaaacc aatgtgcctg tttctcttcc      1440
tttggtggga agaatgagag ttatccagaa caattaggat ctgtcatgac cagattggga      1500
gagccagcac ctaacatatg tgggatagga ctgaattatt aagcatgaca ttgtctgatg      1560
acccaaactg cccatgtcat ttgtttccag aaacgaggac caataattct ctcacactgg      1620
catttgtgct ggtagtacaa gtcctttaat atgtccagga agggagccat tgcccagtgg      1680
tccatatctc caccacatcc cctgcttgag cccagcgctg catgtccctc ccaagaagtc      1740
cagaatgcct gcaaattgct gtaattttat accatgttgt aaccaataaa cagaactatt      1800
tcttacaaaa aaaccc                                                      1816
```

<210> 8432
<211> 1232
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (275)...(1141)
<223> similar to gi2108328 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8432
```
agccggggac tagcggttcc tttccgatgc tctttccatc tgccctccac gtgacagggc        60
ttgcgctgct tctatttatc agtttgcttg tttcaggcat ttcacgtgga ccaggtggat       120
catctgtgcg tgcagctgcc ttggccctct cagttgcccc cgccccgtgg gagtcggggg       180
attccatcct tcgtgatggc atccataccg ggttgagatt tgaagacctt gcttctcatc       240
acccactgga ttatgcccca ggctttccta cccaatgatc ctcttgcaac acgccgtgct       300
tcctccacct aagcagccct caccctcgcc tcctatgtca gtggccacca ggtctacagg       360
aaccttgcag cttccaccac agaagccttt tgggcaggag gcttccttgc ctcttgcagg       420
ggaagaagag ttatcgaagg gaggggagca agactgtgcc ctggaggagc tatgtaagcc       480
cctgtactgc aaactctgca atgtcacctt gaactctgca cagcaagccc aggctcatta       540
tcagggtaaa aatcatggta agaaactccg aaattactat gcagcaaata gctgtcctcc       600
tcctgctaga atgagcaatg tggtcgagcc tgcagctact ccagttgttc cagtccctcc       660
gcagatgggc tcctttaagc caggaggcca agtgatcctg gccacggaga atgattactg       720
taagctctgt gatgcctcct tcagttcccc agctgtggct caggctcact atcaagggaa       780
gaatcatgcc aagaggctgc ggctggcgga agctcagagt aactcattct cggaatcctc       840
agagctgggt caacggcggg ccaggaaaga agggaatgag tttaagatga tgcctaacag       900
gagaaatatg tatacagtac agaataattc aggtccttac ttcaatcccc gctctcggca       960
gagaattcca cgtgatctgg ccatgtgtgt tactccaagt ggccagtttt actgctcaat      1020
gtgtaatgtt ggagctggcg aagagatgga attccggcag catttagaga gcaagcaaca      1080
taagagcaag gtgtctgaac agcggtacag gaatgagatg gagaatctgg gatatgtata      1140
gtgattatca tattaagata gagcagcttt tcctgcctgt tgtttgcctt ttgtcaactt      1200
gccctgcttt gtggtctttt tgatatgagt ac                                    1232
```

7020

<210> 8433
<211> 1418
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (280)...(444)
<223> similar to gi53608 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8433
tttcgtcttc gctgtcggcg atttcgtgtc gcagggggtc gcctggccgg agctgggctc   60
cgagaatccc gggtgccagc accagagcag cggctctccg cactaactct cctctcctgg   120
tcagctgtaa cccctgccgc agagcccggc aactttcagc tgtcgcccgc ggagccccga   180
gggccactcg cctcacctgt gcgtgcagcg cctcgcgcgc cctgtccggc tgcggagatg   240
agcgagctta ataccaaaac atccccagca accaaccagg cagctggcca agaggaaaaa   300
ggaaaagctg gcaatgtcaa gaaggcggag gaggaggagg agattgacat tgatctgaca   360
gcaccagaaa cagagaaggc tgcccttgct attcagggca agttccggcg atttcagaaa   420
aggaaaaagg atcccagctc ctgaatggcc aggcttgccc ttcaccttca ccttcatgct   480
gggcccttct ctccccttct ccacacccat gtatctttat cccttgtccc tctagccttt   540
ccttgaggca aggtcaacct ttatatactc ttgtatctgg cccctcaag ccatcacaga   600
agtagaggca caagagaggt ggagaagatg aagacttcaa tcagcagtca ctagtctaag   660
ggtggaacaa tttcttcttg gtataaggtt ctttgatcag tagctatgcc tgccctgtag   720
ggctaaacaa gaggcttcga ggctgagaga tctccccaaa gaacaatgtg ggaaggaggg   780
gaaggctttc agagtagggt gcctgagggt gggacatatg cactgttctg ctagttacgg   840
cattcacact ttaggtaaca ttttttttcc ccttcagatc cttctgcacc aactccaact   900
tcccctccca ggatctaagc cacagtgggg actggagcct cgttttcccc ctaggcagac   960
ctaaatcaag cagcttacca caatagtgca tgctgagtag attagttcca aggaagggag   1020
actggaatgc tggtgtcaag gaaaagcctc cctcatcatc tagtctaaga ccataacggg   1080
cagaagcata agaggttcca gggccatagg agaatgagaa gtagggcaca tatagggagg   1140
aaagaaaagt gaagaagggg gaaatctctg aatttttta ctgctgggaa aagtgtacta   1200
catgaaggat gcttggggct ttgctaacct gctccccgct aaccctccaa gtttaaccat   1260
ccccagaggc cacacaaacc aagtgactcc tgtagttccc atttgcccca ctatggagtc   1320
agggcaaaag tggaaaagcc cctccatgtg attttagcat gtttaatcat tttaacaata   1380
aacccccca caaatggggt catttaacct ctaaaaaa   1418

<210> 8434
<211> 1073
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (352)...(882)
<223> similar to gi5823146 in the genepept database release 114,

7021

Run with FASTXY 3.3t00, default parameters

<400> 8434
tttcgtgtgg aaaccgctag gccagcgctc gccgggacct ggaatccctg ttcgccgagg   60
tgggagccgg tggaccggtc ccccagccgg cccccacctc cgcttcccgg tgtttgaggg   120
ttcgggcctc ccgccgggga gttcacccct cgggctcgtc agtagggctg tggctgtcgc   180
ctcttcctgc agcgccaggc tccgcccggt ctcacagtcg gcttaggggc tttgcgtgca   240
ctgcggttgg gtggaaaaac ccactcctgg ttgtttagac gttggcctgc agacgatgtc   300
atttctgtat tcctctaagg caggaagtca ttatgcaact tacacatatt catcagattt   360
cctctgactt acccggacat gtacatggga atgatgtgca ctgccaagaa atgtgggatt   420
aggtttcagc ctccagctat tatcttaatc tatgagagtg aaatcaaggg gaaaattcgc   480
cagcgcatta tgccagttcg aaacttttca aagttttcag attgcaccag agctgctgaa   540
caattaaaga ataatccgcg acacaagagt tacctagaac aagtatccct gaggcagcta   600
gagaagctat tcagtttttt acgaggttac ttgtcggggc agagtctggc agaaacaatg   660
gaacaaattc aacgggaaac aaccattgat cctgaggaag acctgaacaa actagatgac   720
aaggagcttg ccaaaagaaa gagcatcatg gatgaacttt ttgagaaaaa tcagaagaag   780
aaggatgatc caaattttgt ttatgacatt gaggttgaat ttccacagga cgatcaactg   840
cagtcctgtg gctgggacac agagtcagct gatgagttct gataccaaac actcaaaaca   900
tgcattgggc tagcagaata tccatgttta ttaccagact ggttctggaa gaagctgtaa   960
agaatactaa atatgttggg ttataggga ttgaccatgt tactttcaa aaccagcact   1020
ttgggaggct taggcgggtg gatcacctaa gggcaggagt tcgagcccag cct   1073

<210> 8435
<211> 3379
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (127)...(1340)
<223> similar to gi4580013 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8435
tttcgtggtg ggggcagcgg gcgcggggcg ggcgcgggga ccgcgccagc ctgtcactaa   60
tgtctccctt tgtgtctccc ccatctcatc cttttccccg gcgcgccggg cccgccgacc   120
ccacaggaag gcctggacga cggcccggac ttcctctcag aagaggaccg cggacttaaa   180
gcaataaatg tagatcttca aagtgatgct gctctgcagg tggacatttc tgatgctctt   240
agtgagcggg ataaagtaaa attcactgtt cacacaaaga gttcattgcc aaatttttaaa   300
caaaacgagt tttcagttgt tcggcaacat gaggaattta tctggcttca tgattccttt   360
gttgaaaatg aagactatgc aggttatatc attccaccag caccaccaag acctgatttt   420
gatgcttcaa gggaaaaact acagaagctt ggtgaaggag aagggtcaat gacgaaggaa   480
gaattcacaa agatgaaaca ggaactggaa gctgaatatt tggcaatatt caagaagaca   540
gttgcgatgc atgaagtgtt cctgtgtcgt gtggcagcac atcctatttt gagaagagat   600
ttaaatttcc atgtcttctt ggaatataat caagatttga gtgtgcgagg aaaaaataaa   660
aaagagaaac ttgaagactt ctttaaaaac atggttaaat cagcagatgg agtaatcgtt   720
tcaggagtaa aggatgtaga tgatttcttt gagcacgaac gaacatttct tttggaatat   780

```
cataaccgag ttaaggatgc atctgctaaa tctgatagaa tgacaagatc ccacaaaagt     840
gctgcagatg attacaatag aattggttct tcattatatg ctttaggaac tcaggattct     900
acagatatat gcaagttttt tctcaaagtt tcagaactgt tcgataaaac aagaaaaata     960
gaagcacgag tgtctgctga tgaagacctc aaactttctg atcttttaaa atattactta    1020
agagaatctc aagctgctaa ggatctcctg tatcgaaggt ctaggtcact agtggattat    1080
gaaaatgcta ataaagcact ggataaagca agagcaaaaa ataaagatgt tctacaggcc    1140
gaaacttccc aacaattatg ttgtcagaaa tttgaaaaaa tatctgagtc tgcaaaacaa    1200
gaacttatag attttaagac aagaagagtt gctgcattca gaaaaaattt agtggaactg    1260
gcagagttag aactgaagca tgcaaagggt aatctacagt tgctgcagaa ctgcctggca    1320
gtgttaaatg gagacacata agccacactc cgccttcctg ttaaaaaggg ctgccttcct    1380
tcaaatttta ttttgttttt cttaatgatg ttaagcattt atgctcactg gaaacaaaca    1440
aaaagcagct gaaaaagtgc atcaactcct cttttttctga gaaacatgga gcagcgcacg    1500
cccaggcgat gccagtctgt gtgccgtgat gccgcactgt gttccccatg acagtggtcc    1560
atcatcgtgc actcgtcata ctcagaagtc caaagttcat tcttctttaa agtagcctct    1620
ataactctgt ttatttata aatagtattc cttatggctg ccactcttat ttacctttaa    1680
ataatttctg aaatttaacc ttttcagaat gcattgttga aacaagataa agattgcctt    1740
ttttgaattt tttaaatttt gttttttaaaa gcatatacca ccttagttca ttcatgtatc    1800
ctggtaaagc atcttaatca gacttatttt taattactga atatttctta gacgttttgg    1860
gacagatttt atgtaatctt tataagtatg atttctgaag aaaagcaaat gcattagtat    1920
gtttgcctta aacttgtaga ctaaaccaag tattgtaaaa taaacagcga taacagtgat    1980
agtttttaac tctatggtca ttgtatcact ctggaaaatg tggagtagct gtaataaatc    2040
tactcctgta ttatgcttta cagtgcaggt cttagttttt cttttttctc atttcttttg    2100
aaatggcatc tcgaacaaag tccaccaatc cctttacaaa agaatgaact gctcctctgt    2160
gtgtacttca tagaaggtgg aatcggacag aggcaggtta gtgacagtta ttcctgaaat    2220
acaggagcag agtacagtct gttgtggttt cccggattcc gcgcctagct cagccaatta    2280
agcatgagac ataggccatt gagccactta gtagttatgc gagtggatag attggtatgt    2340
agagggaaag aggtctgctg taaagaacaa cacttgtttg tctgtgggga aagaaaagca    2400
gaatacttga gatgaaagtt ggcatacaaa taggatacta tcgccagtag ttatattaca    2460
aacattatcg gcctttctag tgtgaatgaa cattagacac attattgtca ttcctagttt    2520
aaagttaagg ttgcgtggtt ggattttttcc actatctttt tctaatttttt ctaccatttg    2580
gagaccgtag gcatttgggc ctgtcacccc ttggatgggt tcctagtttg tttacatttt    2640
cctgaaccct cctgagcgcc cgttcttggt ctaatcccca gtcgtgatga ttccacactt    2700
cctcagccgc atgttgtctt gcctcattca tgagctggtc agcgtttcgt ctctttaact    2760
gacatgttcc ccagtgctgt ttgaactgtt gagtttccgt tgctggctga gtgcgttttg    2820
tccttcacgt aaccttcgct ggtaaaaata agcccatgtg atgtccacca gtggatgaat    2880
gctggaccga gagccctagc ttctggatcc aggtctaggc ccttcatctg ctgctctgtg    2940
gcccagggca ggtttgcttg acctctgcct cagttctcga ctctaaagga catactgacc    3000
tacctcacag gggtgttgtg aggattaata aatgttggta ctctgctttg gaaatgtgaa    3060
aatgctgtgt aaatgttaag aaatactaag tataggggcca gaagctatac agtgtttcac    3120
ttaaccgttt gccattctgt atttaccaag gtggtctttt ctggggggaag gaagtagagt    3180
ggaaggtgca tcccttggcc cctggtttac attattaggg tgcttattgt aggaatgcac    3240
tctaaaaagt gggcgtagaa tgaaagcagc cgtccagtgg tcctcccttt tctgtagttt    3300
cactttttctt gcttcaagtt acagcagtca cctgaaatct gaaaatacta aatgaaaaac    3360
tccagaaaca aaaaaaaaa                                                  3379
```

<400> 8436
```
gacgatttcg tgcggtgcgg gcctcagtct gcggccatgg gggcgtccgc gcggctgctg     60
cgagcggtga tcatgggggc cccgggctcg ggcaagggca ccgtgtcgtc gcgcatcact    120
acacacttcg agctgaagca cctctccagc ggggacctgc tccgggacaa catgctgcgg    180
ggcacagaaa ttggcgtgtt agccaaggct ttcattgacc aagggaaact catcccagat    240
gatgtcatga ctcggctggc ccttcatgag ctgaaaaatc tcacccagta tagctggctg    300
ttggatggtt ttccaaggac acttccacag gcagaagccc tagatagagc ttatcagatc    360
gacacagtga ttaacctgaa tgtgcccttt gaggtcatta aacaacgcct tactgctcgc    420
tggattcatc ccgccagtgg ccgagtctat aacattgaat tcaaccctcc caaaactgtg    480
ggcattgatg acctgactgg ggagcctctc attcagcgtg aggatgataa accagagacg    540
gttatcaaga gactaaaggc ttatgaagac caaacaaagc cagtcctgga atattaccag    600
aaaaaagggg tgctggaaac attctccgga acagaaacca acaagatttg gccctatgta    660
tatgctttcc tacaaactaa agttccacaa agaagccaga aagcttcagt tactccatga    720
ggagaaatgt gtgtaactat taatagtaag atgggcaaac ctcctagtcc ttgcatttag    780
aagctgcttt tcctaagact tctagtatgt atgaattctt tgaaaattat attacttta     840
tttctactga ttttattttg gatactaagg atgtgccaaa tgattcggat actaagatgc    900
atcgtttgaa atcatctagt gtgttgtatg cagttatcct caaaaacatc agcgatgtct    960
gaacctttaa aacatctgtt agagcaaaat taaaagagca tttggtagta atctaacttt   1020
ttgttcagtt aataagtggt tgataaagtt tccatatttt tctggaaaag ttaaaaaaag   1080
ttacatgtca tttggagaaa atacgtaatc agaaatttgt gcatagattg atgccaaaaa   1140
agacatttcc agcattgtgg aacatggtga gacactatat aaaattccag aaagaaagca   1200
actggattta cagatttatt gtgagacaca aattcactgc tgcctttaca ctaagaaatg   1260
tatatgttaa ccatatatgc tgtatttatt ttgtcgttaa gcatactttc agtttactca   1320
gaattttcaa tttgctataa agatgtatca attagcatat agaaaaatat tactttaaga   1380
tgacttgttt cctttgaaaa tacctgtgta ctgagggtta tgatttgtgt caaaaattga   1440
cataagtgct tttacaagca ccaaagttga atgaattttc aacaaatgt aattaaagtc    1500
tatgttttca gttatgactc aggttaagaa atgtgtttta ggatctactt gctggttttt   1560
cttttgatc caaatgtgtg atctgccctg ataaataaca agttatagta ccatctcccc    1620
cgccaataaa aaagagaaga aaaaagagaa acccgtggca ctatgtaaat aaagtaagca   1680
tactttgttg ttagtaaata gatgaggcat gcctgggaaa tgctcccttg gcataaatag   1740
caatcaatta taattagtaa acaggtgtac caataaaaag aatttacatg ataggttaac   1800
aaggaccagg aaagtgagtt tcctgaagga gttctttgtt cctgatcaaa gaaattgata   1860
cctgttagca ttcactgcca ccatatttta aggagaaaga actctattgg tgtcgtctga   1920
gcagccattt aaaaattgga atctaaagga tggttgctga tgtactgtgt ggtctggtag   1980
aagtggggaa atatgagaga tggaggaaaa acttgattat gtcttccatg gcatatttac   2040
tcttactta cttcgtgcca aatcaaatga aacaagccgt cttacaagtc gttattgcct    2100
ttaaaaatct gttccgtttt ttttcccagg tacttaaaat acaagtgcca gtaagtggtt   2160
cttatgtgtt ttgggggggaa aattttattt ccctttтctt ctgatattta aaaaattcat   2220
cgatctttca agatgaacca aggttttta aaagaattat aggaaacact tcattcttta   2280
taaaactttc tataatgccc ttaatttgga atggttaacc ttatgtgcct ttcctaaaaa   2340
atgttgtgaa ataccaaact tatggattat cactaggtta tcaagcatat attagtcttt   2400
atcagaataa aatgaaattt cataaaaaaa aa                                 2432
```

<210> 8437
<211> 1095
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (242)...(965)
<223> similar to gi1669685 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8437
gcggccgctc caacatcaga atggaggatg aggagcattt aggtaagtag agggcctagg   60
gccgcattac tgtagcttga catatgtctt ttcttctctc taggaaaata tagtgctata   120
ccaaaagggc caagcctctg ttaaagtcat tgactttgga tcaagctgtt atgaacacca   180
gaaagtatac acgtacatcc aaagccggtt ctaccgatcc ccagaagtga tcctgggcca   240
cccctacgac gtggccattg acatgtggag cctgggctgc atcacggcgg agttgtacac   300
gggctacccc ctgttccccg gggagaatga ggtggagcag ctggcctgca tcatggaggt   360
gctgggtctg ccgccagctg gcttcattca gacagcctcc aggagacaga cattctttga   420
ttccaaaggt tttcctaaaa atataaccaa caacagggggg aaaaaaagat acccagattc   480
caaggacctc acgatggtgc tgaaaaccta tgacaccagc ttcctggact ttctcagaag   540
gtgtttggta tgggaacctt ctcttcgcat gaccccggac caggccctca agcatgcttg   600
gattcatcag tctcggaacc tcaagccaca gcccaggccc cagaccctga ggaaatccaa   660
ttccttttttc ccctctgaga caaggaagga caaggttcaa ggctgtcatc actcgagcag   720
aaaagatgag atcaccaaag agactacaga gaaaacaaaa gatagcccca cgaagcatgt   780
tcagcattca ggtgatcagc aggactgtct ccagcacgga gctgacactg ttcagctgcc   840
tcaactggta gacgctccca agaagtcaga ggcagctgtc ggggcggagg tgtccatgac   900
ctccccagga cagagcaaaa acttctccct caagaacaca aacgttttac cccctattgt   960
atgacctttg ctgagggtat gtcctgctcc tttccaccag tgatttgtat taagacagca   1020
cttatattgt acaatacttc agactgtttt ttttaaatac ataaaactttt atgttaaaaa   1080
actctaaaaa aaaaa   1095

<210> 8438
<211> 977
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (736)...(230)
<223> similar to gi1154645 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8438
ttttttttttt ttgaaaacaa aggcatctgc tttatttgtt ttcagacagt agcgcatact   60
ttgtttccta aacacgtggc agccccaggc tcaggggcat atgcagggggc ccagcaggaa   120
acggcagggc acagtggctg tggtcccatg attggtccct tcttcagggc tccaagtcac   180
tgccagggca gggaatgatg tctgctcctc agcccttgtg ggcggcgctc acgcagcgct   240
ggtatgcctt gaccaggtcc gagcacagca gcacctcatg cgggcgatct cggtagcagt   300
ggagaatctg ggcctgcaac cctgagcaga cgggctccac cctgcggggc tttattgtgc   360
tctccatctt tgaggctgcc tcatggaatt gctctgaaga cagtttatac atctcagcat   420

```
tcttcctctc aatacgctcc agctgctcct tgtagaaggt gtcacggcgt cttagctctg    480
cctctctgct ctccagctcc ctggccagcc ggactgactt ctgctcctca tggctgatgc    540
tgccttcgcc cgtgggcagg gatgccttgg agtgcttggt ggcagcctct ctttccctct    600
ttgccacctg gaagagctta tcctggatag cagcatgctc ctgttcatac ctcttgacac    660
cctccttcat ccctgagggc tgctggccac cactgctccc cgacctgggc agtgtggatt    720
ctttgtgagg ggctctcaag ttgccatctt gaaggccaaa ggtagaagat gtgggagcag    780
ggggtggaga gctgggctcc ttcatgcggt tcaccacgtt ttcagacagc cggacaccct    840
gcagcacccg gacccgctcc tcctcgtcca ctccgaagga caccctgcgg ccctcgctgc    900
tctccgtgct ccccatggcg agatgccgca gggccggcag ccaccagacc cgagacccgg    960
ctccagagca accgggc                                                   977
```

<210> 8439
    <211> 1723
    <212> DNA
    <213> Homo sapiens

    <220>
    <221> misc_feature
    <222> (1596)...(992)
    <223> similar to gi4586930 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

    <400> 8439
```
tttttttttaa aatgatagca atttactata acaaccataa aatcatcagg ctactgacag     60
ctggagaaat tccacatgct aagcaactca actccaaaga aatattagag gtttgagatg    120
aaaaatacac ttgaacctgt aattgaatta gacaagcctc actgcacgta gggctacagc    180
ggtcaccagg acacaaagca aatgtcgggt taccagaagt gcagttatca gccatcagtg    240
atttattgga gtgcctttaa ataaatacca agtgtacatc caactggatc cccacagtcc    300
aaaagtgggc aggtccccct aagaaattta caagcacttt aagtaaatcc aaaatacata    360
ttattttgtt caatcccaac agtccttcct gcgggaggga cagaaggcct agtgataaac    420
agagtctcag taatgcacag tgattctgat tgaagctttt gtacaaaaac ttgttcccag    480
tagcatgcac ccaccaataa agacttcagt acaaaaaatt aaccctaagc actacattta    540
agtagaaacg agatataatt ctgaatgtgt tttcccaaag atcacataaa agaaaaaaaa    600
atcaaaatca aataaacaac aacaaaaaaa acaaaaccac acagtaatac aaagctttgt    660
aagaaagctc ttactattac agctccaaca ttgtttgcac tgaaaacaaa agttcccatc    720
tatgatgagg tgggaaaaaa tcccaaatct ttcaagttaa cagaaatcaa caagggaata    780
aaatgagaga taaaagagag cgtgggagag aggaaggggg gcaggaagaa ctgggatggg    840
aagatggaca acataccatc acaaaatggt tccaaattta ataaaaatag gaaaataaga    900
accgaggtct ggaggggtgg gcagggctac cgatgcactt ggtgaatgtg cttgcacagg    960
tcccgcgggg cggcaggcag caggcccta tgtggcgtac cgcttggtcc actgtctggc   1020
catccggtca tgctctgctc tgttggtcat gtactgtgtg gcgatgctgc ccaccagagg   1080
gtcagcaggg ttgcaatctg taagaagtga gcagatggag aggagaactt agaaatagt   1140
taaagccgga ctccagttgt cctttaagat gtccagacag atcacacctt ggctgttaat   1200
attacagtga tagattcttg ttcggaaggt aaccttaggg ggtttaaacg gatagtctgg   1260
tgaaaaggta atgtcaagaa agaacacccc tccttcatag acagatcctg ggggtcccaa   1320
tatagttgac ctccattcat aaatgttgtc tcctttgggt ccagcactac agttgggagg   1380
agggtccaat gtgatttctg caagttcctt ctgaattctt ttagcactag ttgacaattt   1440
agcagcggtt ttgctggata ttttttccctc ctttttcttg ggctgaactt gttctctttc   1500
tggttcttgc tgaacacttt cacgttgatc tccatcggaa cttcctccac tagtgcttgg   1560
actgtcatca actctttgtg cctcagtgga catttttagat ccctcagcgc cgccgctgcc   1620
```

7026

```
gccgcccccg gccgttccag ctccggctcc tgaggctgct gcccgcggct gtcgctgtgg       1680
ctgcccctga gtcctggaaa gtgcggacgc gtgggtcgac acg                         1723




        <210> 8440
        <211> 4928
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(4929)
        <223> n = a,t,c or g

        <220>
        <221> misc_feature
        <222> (4597)...(4037)
        <223> similar to gi4884386 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters




        <400> 8440
tttttttttt ttagtgttct gtgtgcacat ttatttcttt caaagattgt ttgtgttcca         60
gccacatctt ctccaaagga acccacccaa gcccgtgtgc aggcttgctg cagggctgtc        120
ttcggcgttt aaagtgctac tgaggaatac aatcattgtc acgtaagttc atcaccgcac        180
tccagcgtca ggccaaacct ttccgtggac ctggaaaacc tgccattttc ttctcttttt        240
acaatgcagt ttcgacataa cattggtaga gtaaacaaca aaccacaagc ctaaatgatg        300
aatggtgcgc tgctgcccag ctgctaactg agagaacgag gcagtgtatt gtgtttcgaa        360
tgcaaacggt catggaccca agttaacctg agtttgctct gcaggattcc gcggggggcct       420
tgccctgtgc aggctgcttt ggtcttcgtg tctaggccgg tttgggcag tggggagagg         480
gcctggcagc agggtttacg ccagccccga ggtctgtttt ccgtcagaca gagatacgtg        540
tcctgccttc caccatccac caatttgtac tctgaagttt ccagatcaag agccgtgaga        600
ttactaccca ggaaacacct gccttcggtg gccagcagtg taaattaatc tttccctctc        660
tgctcaaagc aactttgcaa ctctcgtcta tagaggtggc cagtaaaacc caagcaaaaa        720
tctaaacggg caccaggtgg ccactgagtg gcgactggtc gagtagcagt tggtcataag        780
ggatcagggc tggttttgaa ctcagacttg aaacttgacg aaaataaagt gctctgtcaa        840
aactctcaca gcaggttttc agctggaaca aggagatggc tacttttgt tattgctaca         900
ataacacacg cgtgtgtgca aacacacata acacacacac acacttaaag ctccatttca        960
ctcctccaca aagaacagag gcacctcctt aaacaaagca aacggggaag ggttgcaagc       1020
tcattaaaac caacatgagc acccagttcc agagatacag acacaattaa tcttagtgtt       1080
catgaggaat tgttttaaa acacaactgg gcaaaacttt catccagaca aaagccaaaa        1140
acaaaagccc tcaagccaca aaagcttgta gaagaggtga ggcgataaag gtgatttaca       1200
catcagtatt tttagcattt ggtggataat cttaatttat ctttaacctt cacaacattt       1260
actttgtcat aaatacccta caccatgaaa aaacaaacct gtataaaaca gcttggaaaa       1320
caaacattca cagtatcaat acagcccatt tctcacgggg ctacccctga agctagccga       1380
cgtgttggcc tttgcctttg cttcataaac tccctcccat gttggtgttt tctgtaactt       1440
cagaaaaggc cattggatgg agacaacgtg tgcgtgtcta caggaagcag agccctagac       1500
cttggtattc aacagtaagc agcgctcatg ggattcatct ggaaatggaa tagttaaaac       1560
ctttttttt ttttgagagc aagaaggctt aatataaaat cctggggccg gcctggtggc        1620
tcatgcctat aatcccagca cgctgggagg ccaaggtggg tggatcacct gaggtcagga       1680
gttcgagacc agcctgacca acatggtgag actccatttc tactaaatag aattagccag       1740
gtgtggtggc gcgtgcctgt aatcccagct acttgggagg ctgaggcagg agaatcgctt       1800
```

```
gaaccaggag gtggaggttg cagtaagctg ccattgcact ccagcctggg caaccgagtg   1860
aaactccatc tcgaaaaaaa aatttttttaa ataaaaaaaa acttctgata tccttgcact   1920
tgaatagagt gcacctgaat tccaaaatca aataaaaaag aacaattaaa aacttctcat   1980
cagtgtctga aattctgaca cataatatcc tcttggaatt cttaaatatg tctcagcctc   2040
tttttaccac atggcaaaga gcagtaaaac ttcaagtaaa acattaaagt gaacatctgt   2100
cccatctgtc ccaaaagact agcagtgatg cctgactttg gggacagaaa cttggtagta   2160
ttcacatgtt ttgaaactcc aggtgctttt tttacaatga ttaaaactgg aatataattt   2220
ttaaaaacaa agcaggttgg aaaagtcatt ttaaagtcac ttgataattc ctggaacacc   2280
taagaagttt gtaatgcgca ttttaaagtg aaattcctaa tgtcgttttc taatctctct   2340
ctctaaaaaa gaagaaaaaa aaatcctata attttggttt ttatacaggt ttttactaaa   2400
aaagaaaaaa atcctataat tttggttttc atataggttt ttactaaaaa agaaaaaatc   2460
ctataatttt ggtttttata taggttttta ctaaaaaaga aaaaaatcct ataattttgg   2520
ttttgataca ggtttttact aaaaaagaaa aaatcctata attttggttt ttatataggt   2580
ttttactcac cagtggctct attaccccccg aaatatttaa tgtttaagga ttaacaagag   2640
gctacggaag gaagcttgcc catttccgtc tccatgacag aagccaagct ttcgtaacag   2700
cctttttacat gtctttggag aaaagtgaat catattaaac tgtcaagaac acttcacccc   2760
aatgatgact gctctttgac cagcatgtct actggaagtg gcacattcag aagtgagatc   2820
tgtgaatgaa ctgaaataga aaggcaactg atgaggaaag cgactggaat gatattaggg   2880
atattcaaat ggtgtgccag gtttgtgatg ttttccacca aaacaaaccc aaacaagggc   2940
accccaacct gtgtccaaga ggactgttca cagcaaaatt ctgaagcgct catagaagga   3000
atgtcctgcg agtttggccc atttgttatt aaacttccat tcctaagact gacacctgag   3060
acacaaaata atttcctcta ttgccctaaa aagactttgt tttggctact ggcagcactt   3120
ggcaaaatcc atgtatgtgt ttggttactg tgttctacga gcggtcacgt atggctcctg   3180
acttcatctg acaggcccgc tgtgctcttg tttagcaagt atgacaggca ggaaaaaaaa   3240
ccctggatgt caactgctcc actagcatta ttagagcttt taacacgata gagaaaaatg   3300
taaaaaccat gtgagaatat atatatcttc cacttgcaag taggctcaaa gtaaacttag   3360
aaaagtgttc tgcatactat gcataggata tagttagtgt tcaagttcta tggctaatat   3420
caaaggtaga tgacttccta catctgtcgt agcgtctcca ttcttatcaa aatttctcta   3480
ttaatccaaa atcctgccta tgttccactt ccctgtactc agggccagct gcatttttta   3540
ttccaagcag cagatgaaga gaggtgaccc atcctttcca ttcacagtga cagcacaggg   3600
gggcacctcc tttttgtgac atggtccagg catggaccca aaacaacact tgttagtgta   3660
gaataggtaa actaagtccc tcaaacctgc cctccacaat ctattagagc atattatttc   3720
acttataatg ttaatctcct tctaatattg aaccctaacc cttagctatg aggcacagcc   3780
caagctctgc agctgtcaag tcttcattta ggcatctggg tggggcaagt tggggctttt   3840
tttgtcctct ctgggagaag cctcctggct ggagactcag attttgtttt ccctttaaat   3900
gacgagatgg ttggaagaaa cccagcaaga caagcggggc atctggacat ccggcggaca   3960
cactggctgc gtcctggtga gggtagttaa catggtgca cgtcttctgg cttggaggtg   4020
atgacctcag gccctacgtg cagggctcca cggggggcacc gttcatggtg ttcttgtttc   4080
tgtgcctgga gagcagcttc ttgttcagga tcctggtgag ggtgatgcct ttcctccggg   4140
aaccctctgg ctgctccagg aacacaaggt cattgtgtga ctgactcatg cctgggtctt   4200
tctgttgatg ccgccggcgg aagaacagct ttgcaccttt ccttagaatt cctcctttat   4260
gcttttttggc agtgcccggc tccaagacac tcatggagct ctctgacagc tcatcaccgt   4320
cggggtccag caggacctgg ctgctccatg ccgcggcctg tggctccttc tccaagtccc   4380
aggagtctag ctcgtcctcc tggggcttgg gggcaaggga tgcctgggct gactcggctt   4440
cctctggcgg ggcagaggct gccgccctct ccggatggga tggggcgtcc tcctggtggg   4500
tgctgtccac agaggccgtg tagccctgca tcagggcagc gtcgtggtcc tgagatagtg   4560
aggtcttgga gatccctgat atgataatag tgcttttctt ccgtggcgac ttgagtttca   4620
gctttgaaga ttcactgagc tgtcgaatgg ccacttcagc cactggatcc gaaccattca   4680
acaccaacaa ttctgtgtct gaagaagaga gtgttttgct gacggggggcg ctgcggcagg   4740
cgatggctgg acagagatgt cttctcgatc accncacctt gatgggagtc ttcaccggag   4800
aatcagagct cagcgggacg cctcccacgt cgacgcgagg ttggtcttca agcagtgaca   4860
gtagtgacca agtccaaggc atcacgtgcg tcttttttatt ttgcgcagaa aggggaggat   4920
ggcaggat                                                               4928
```

```
<210> 8441
<211> 1087
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (151)...(749)
<223> similar to gi4235148 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


      <400> 8441
tttcgtgcgc tgcgcctgcc tccgggagga gccgcatcca cacaccctgc gctgccctgt      60
cctgcgcgag tggagctctg aagaagctct gagcggagtt gtgttcttcc ccaggtgcgt     120
cctggctgag agttggagct ctccagcaac atgcctgagc agagtaacga ttaccgggtg     180
gccgtgtttg gggctggcgg tgttggcaag agctccctgg tgttgaggtt tgtgaaaggc     240
acattccggg agagctacat cccgacggtg gaagacacct accggcaagt gatcagctgt     300
gacaagagca tatgcacatt gcagatcacc gacacgacgg ggagccacca gttcccggcc     360
atgcagcggc tgtccatctc caaagggcac gccttcatcc tggtgtactc cattaccagc     420
cgacagtcct tggaggagct caagcccatc tacgaacaaa tctgcgagat caaagggggac     480
gtggagagca tccccatcat gctggtgggg aacaagtgtg atgagagccc cagccgcgag     540
gtgcagagca gcgaggcgga ggccttggcc cgcacatgga agtgtgcctt catggagacc     600
tcagccaagc tcaaccataa cgtgaaggag cttttccagg agctgctcaa cctggagaag     660
cgcaggaccg tgagtctcca gatcgacggg aaaaagagca agcagcagaa aaggaaagag     720
aagctcaaag gcaagtgcgt gatcatgtga aggcccttcc tgcgggagga gcagctgtgt     780
gtccccggca cctcactccc ccaaaatgac acccaccgtc gtcagggtag catgtataat     840
gcccacgtgt taaacattgc atttaatcga gatgcgtcct attgtcctta agagggcgtt     900
tcacaccacc aacagtaagc cacccactct ggagtcacag aatctgccag gcggttcaag     960
tgaaaaccaa cacactcagc atccctggga actgagaggt gccagcaatt gctgaaggtg    1020
gcgatgaaca cccgaaggtg ggagggagga ctggtaccca caaagcaaca tgtaccgaga    1080
ggactac                                                             1087


<210> 8442
<211> 886
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(887)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (791)...(127)
<223> similar to gi2440074 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

7029

```
     <400> 8442
     ttttattttt tttgcttttt aaaagttttt atttcaaaaa ataaagctgc agttcatttc       60
     acataaatat ctggggaggg aaggggagtg ggatggggtg ggggcttggc ccctacctcc      120
     tcttctcttt cacactgtat tgtaaaagca aaggggatgg cttgccgaac cagcgggaga      180
     gccatatctg cttcattgtc atgtgatcag ggagaacttc attgtcaaaa aggagctgca      240
     catgctgagg gtttagcatc aagcggtgac acaggaccct ccggagatgg cgtacctcag      300
     ctctaacaga acatcggaca tacttgttct gcaggacgct tttattcttg tctttgccag      360
     aactcagccg ctccaggcac aggttcaact gctcatcata gcgatagtag tgggctttag      420
     agtggtcaaa gctgctgaag gggaggccga ggttgctcag tgctggctct tccccagtgg      480
     gctgggtgac ccggtccaaa cctcgggact ggtagaattc ccgaatccgt ttctcttcac      540
     tgtcttgcaa gccaggcacc agcttataca cgatgtcctg catgacccgg tccagtttga      600
     ggttgagcag tggctgtgtc tcgtggatct taatgttgca catggggcag tacttgctag      660
     tttggaggta cttcacaata caactcttgc agaaagtatg aagacactct gtgatggtgg      720
     tggcatccac gaagtagccg gcgcataggc agcaaacaat gtgttcattc aagtctttga      780
     tcttcactcg aacctcctcc tgaccctcct ttcccagggg agactacaca acgtcggcga      840
     cacaacgcgc aggcggaatt ccaccgcntg gactaatgtc tacaat                     886
```

```
     <400> 8443
     tttcgtgggg aactgtacgg ctcagtcact cctgcctcgt caccccgcc aggtttcccc        60
     cgccctctcc ggccggggct ggtcgcgact gcgcgcgcag ggcctgagcg ggcgccggag      120
     ggaaggggaa gcggcggggt agtaacagat tatgggcaac agtcctttta attaatctac      180
     cgtcatcatg gctaatgagg actgtcccaa ggctgctgat agtccttttt catcagataa      240
     acatgcccaa ctcatcttgg cccaaatcaa taagatgaga aatggacagc atttctgtga      300
     tgtgcagctg caagttggac aggaaagttt taaagctcat cggctggttt tggctgccag      360
     cagtccttac tttgcagctt tgttcactgg aggaatgaaa gagtcctcaa aagatgttgt      420
     accgattcta ggaattgaag caggaatctt tcagatactt ctagatttca tttacacagg      480
     tatagtgaac ataggtgtga ataatgtcca ggagttgatt attgcagcag acatgctaca      540
     gttgactgaa gttgttcatc tttgctgtga atttctgaaa ggacaaattg atccactgaa      600
     ctgcattgga attttcagt tctctgagca aattgcctgc catgatctct tggaattctc       660
     agaaaactac attcatgtcc atttcttgga ggttcatagt ggagaagagt tcctggcact      720
     tacgaaagat cagctgatca aaattttgcg aagtgaagag cttagcattg aggatgaata      780
     ccaggtcttc ttagctgcaa tgcaatggat tctgaaagat ttgggaaaaa gaagaaaaca      840
     tgtggtggaa gtgctagacc caattcgatt ccctttatta cctcctcaga gactttttaaa     900
     gtatatagaa ggagtatccg attttaatct tcgtgttgca ttgcaaacac ttctgaaaga      960
     gtactgtgaa gtatgcaaat ctcccaaaga gaacaagttt tgtagttttc tgcagacatc     1020
     taaggttcga cctcggaaga aagcaagaaa gtacctgtat gcagtaggtg gatatactcg     1080
     gttgcagggg ggtcgctgga gtgatagcag agccctcagc tgtgtagaac gttttgacac     1140
```

```
ctttagccag tactggacca ctgtgtcttc acttcatcag gctcgaagtg ggctgggagt      1200
aacagttctg ggagggatgg tctacgctat tggaggtgaa aaggattcaa tgatttttga      1260
ttgtactgaa tgctatgatc cagttactaa acagtggaca actgtagctt cgatgaatca      1320
tccccgctgc ggcttaggag tgtgtgtgtg ttatggggct atctatgctt tgggtggatg      1380
ggttggagct gagatageggg acaccattga acgatttgat cctgatgaaa ataaatggga      1440
agtagttggt aacatggctg tgtcacgcta ctactttggg tgctgtgaaa tgcaaggttt      1500
aatttatgta attgggggca tcagcaatga aggaatagaa cttcgttctt ttgaagtcta      1560
tgatccactt tctaagcgtt ggtctccact tcctccaatg ggaaccagga gagcatatct      1620
tggtgtggct gcactcaatg actgcatcta ttctgttgga ggatggaatg agacccaaga      1680
tgctcttcat actgtagaaa aatattcctt tgaagaggaa aagtgggttg aagttgcctc      1740
aatgaaagtg cctagagcag gcatgtgtgt tgtggcagtc aatggtcttc tgtatgtttc      1800
tggaggtcga tcttccagcc atgattttt ggctccaggt accttggact cagttgaagt      1860
ttataaccct cattcagata catggacaga aattggtaac atgatcacca gtcgttgtga      1920
aggggggcgtt gctgtgcta                                                  1939
```


<210> 8444
<211> 2054
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (306)...(1886)
<223> similar to gi5281316 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8444
```
attcccgggt cgacgatttc gtctcgctgg ctagtaggag agactggtgc ttgccccgcc        60
cggtggacta actcgcttaa ttttaaataa aaagtcgagg acacggcggt cgttttcccg       120
aagacatggg ccctcccatg ggccatttgc tccctggagg ccctcgcgtc ttgctgagcc       180
cggggagtta ggatgacgcg agcggtgagg gagcccggaa cgattccttc gcggaacaat       240
tgaggcgagg cctttgggag tactttgtgg gacggaccct ggcgggccct gccagacgca       300
cagggatggc ggcggaggcg gccgatttgg ggctgggggc cgccgtcccc gtggagctga       360
ggcgggagcg acgcatggtg tgcgtggagt acccgggagt ggtgcgtgat gtggctaaga       420
tgctgccgac tctgggcggc gaggaaggcg tctcccggat ctacgcagac cccaccaaga       480
ggctggagct gtacttccgg cccaaggacc catactgcca cccagtgtgc gccaaccgct       540
tcagtaccag cagcctgctg ctccgcatca ggaagagaac gaggcggcag aaaggggtgc       600
tgggcactga ggcccactcc gaggtcacat ttgacatgga gatccttggc atcatctcca       660
ccatttacaa atttcagggg atgtctgact tccagtactt ggctgtgcat acggaagcag       720
gcggcaagca tacgtcaatg tatgacaagg tgctcatgct ccggcccgag aaggaggcct       780
ttttccacca ggagctgccg ctctacatcc ccccacccat cttctcccgg ctggacgccc       840
cggtggacta cttctaccga ccagagaccc agcaccggga aggctacaac aatcccccca       900
tctcaggtga gaatctgatt ggcctgagca gagcccggcg cccccacaat gccatctttg       960
tcaactttga ggatgaggag gtgcccaagc agccactgga ggctgcagcc cagacgtgga      1020
ggagagtctg cactaacccc gtggaccgga aggtggagga ggagctgagg aagctgtttg      1080
acatccgtcc catctggtcc cgaaatgctg tcaaggccaa catcagcgtc cacccagaca      1140
agctcaaggt cttgcttccc ttcatagcct attacatgat aacaggcccc tggcgcagcc      1200
tatggattcg atttgggtat gacccccgaa aaaacccaga tgccaagatt tatcaagtcc      1260
tcgatttccg aatccgttgt ggaatgaaac acggttacgc ccccagtgac ttgccggtca      1320
aagcaaagcg cagcacctac aactacagcc tccccatcac cgtcaagaag acatccagcc      1380
```
```
                                   7031
```

```
agcttgtcac catgcatgac ctgaagcagg gcctgggccc gtcggggacg agtggtgctc    1440
ggaaaccagc ttccagcaag tacaagctca aggtcagcct tcagacactg agggactctg    1500
tctacatctt ccgggaaggg gccttgccac cctatcggca gatgttctac cagttatgcg    1560
acttgaatgt ggaagagttg cagaagatca ttcaccgcaa tgacggggca gagaattcct    1620
gcacagaacg ggatgggtgg tgcctcccca agaccagcga cgagctcagg gacaccatgt    1680
ccctcatgat ccggcagacc atccgctcca agaggcctgc tctcttttcc agctcagcca    1740
aggctgatgg cggaaaagag cagctgacgt acgagtctgg ggaagacgag gaggatgagg    1800
aggaggagga agaggaggag gaggacttca agccatccga cggcagtgaa aacgaaatgg    1860
agacagagat tctggactac gtgtgacagg gcccaaggct gggcctccct gacccggcca    1920
gactggtgtc tggcctaatg agggagccgg ggctcccat tgccacccac agtgcccgga    1980
atggccctag gaggccctct gaggagagct agagtcccag caaagggtgc agctgaccct    2040
agcactggct gtga                                                      2054
```


<210> 8445
<211> 2564
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (102)...(1619)
<223> similar to gi3090421 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8445
```
tttcgtgctg tcggctcggt tcggtcgcgt tacagggcag gcgccggggc caaggcaggg      60
agggatctta ggagagatcg taggacatct gaagagctgc catgtctggg gcatcttcct     120
cagaacagaa caacaacagc tatgaaacca aaaccccaaa tcttcgaatg tcagagaaga     180
aatgttcatg ggcctcctac atgaccaact ccccgactct gatcgttatg attggtttgc     240
cagcccgggg taaaacctac gtgtccaaga aactaacacg ctacctcaac tggattggag     300
tccccaccaa agtgtttaat cttggggtgt atcggcgtga agcagtcaag tcctataagt     360
cctacgactt ctttcggcat gacaatgagg aggccatgaa gatccgcaaa cagtgtgctc     420
tggtggcgct ggaagatgtt aaggcgtatc tcactgagga gaatggtcag attgcggtgt     480
ttgatgccac caatacaacc cgggagagga gggacatgat tttgaacttt gctgaacaga     540
attccttcaa ggtattcttt gtggaatccg tctgtgatga tcctgatgtc attgctgcca     600
atattctgga ggttaaggta tcaagccctg actatcctga aaggaacaga gagaacgtga     660
tggaggactt cctgaagaga attgaatgct acaaagttac ctaccgacct cttgacccag     720
acaactatga caaggatctt tctttcatca aggtgataaa cgtgggccag cgattttttag    780
tcaacagagt ccaggactac atccagagca agatagtcta ctacctcatg aatatccacg     840
tccagcctcg caccatttac ctttgccggc atggagaaag cgagttcaat ctcttgggga     900
agattggggg tgactctggc ctctcggtgc ggggaaagca gtttgcccaa gctctaagga     960
aatttctgga ggaacaggaa ataacagacc tcaaagtgtg gacaagccat gtgaagagga    1020
ccatacagac tgctgaatct ctcgggggtgc cctatgagca gtggaagatt ctgaatgaga    1080
ttgatgctgg tgtgtgtgaa gagatgacct atgcagagat tgagaaacgg tacccagaag    1140
agtttgcact tcgagatcaa gagaagtatc tgtatcgata tcctggtggg gagtcatacc    1200
aggacctggt gcagctgctg gagcctgtca tcatggagct ggaacgtcag ggcaatgtcc    1260
tcgtcatctc ccaccaggct gtcatgcact gcctcctggc ctacttcttg gataaggacg    1320
cagatgagct accatacttg agatgccctc tccataccat cttcaaactt actcctgtga    1380
cctatgggtg caaagtggaa acaattaaac ttaacgtgga ggctgtgaac acgcaccgtg    1440
acaagccaac taacaacttc cccaagaacc aaaccccctgt aaggatgaga aggaacagct    1500
```

```
ttacgcctct gtccagttcg aatacaataa ggcgtccaag aaattacagt gttgggagcc    1560
ggcccctcaa gcccctcagc cctctccgtg cccaggacat gcaagaaggg gccgactagc    1620
cgaagaccca agtcagcatt ccggtggtgt aactgtgtgt ttccctccag ccctggcctc    1680
ctgcccttgt cactaatcac caaggaggtc attaacttcc tccctctatg cccacccctg    1740
acacttcacc attaatctta acacagaaca tgaggttatg tgtttatagg acaacttaag    1800
ctgttcttca gtttgaaaca tcttttcacc caggggcaag ttagcaaatt gagtctttta    1860
ggacagattc tcagatggga tgatctggag gaggaggaaa aagatacact cccttggggc    1920
tgagcatgcc ccacactctt ggatcttctc tctgttccct ggtgtcttca ctaatgtcct    1980
catgttggtg aagtgttggg ggatggaggg cgggtgagca gtcgggggac aaaaagtcta    2040
tttttccttc acttttgtct cttcaatgtg tgttttcctc acactcctta cttgactgct    2100
ttcttccccc actttcatgt cccctctgga ttgtccagtg taatgcatgg cattgtggtg    2160
tctgtctagg aaggaagggg tgattgacaa gagacaagtc tggcccagtt aatgctttct    2220
gcagtgggtc taaatggatc tggactggag gagtctttcc tttcctttct cccttcctct    2280
ccagccaggt cctgtaaggg ccagcccaga ctacaggaca tccacagaat attctggagc    2340
ttgcaagtag acatagggtg agagttcttg cctcctttca tgagaaacag ttctaagtct    2400
tcgatgccct gggagaatct ggctctgagc atgtgggaaa tgtcttggtt tttattttta    2460
atttagagtc aggcctgggt cttttgaggt ctgcagagtg gggtttagga gagtaaggtg    2520
ggctctagct cttgcagggc tcttagagag cagtcatgtc tttt               2564
```

```
        <210> 8446
        <211> 2201
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (86)...(1378)
        <223> similar to gi1407655 in the genepept database release 114,
              Run with FASTXY 3.3t00, default parameters


        <400> 8446
ggaggcgagg cttgtcggct gtcaaagggg cggcccggcc cggcccggaa gctacagcag      60
cggcgcggag actgcggggc gggccatggc ggcgaacctg agccggaacg ggccagcgct     120
gcaagaggcc tacgtgcggg tggtcaccga gaagtccccg accgactggg ctctctttac     180
ctatgaaggc aacagcaatg acatccgcgt ggctggcaca ggggagggtg gcctggagga     240
gatggtggag gagctcaaca gcgggaaggt gatgtacgcc ttctgcagag tgaaggaccc     300
caactctgga ctgcccaaat ttgtcctcat caactggaca ggcgagggcg tgaacgatgt     360
gcggaaggga gcctgtgcca gccacgtcag caccatggcc agcttcctga gggggcccca     420
tgtgaccatc aacgcacggg ccgaggagga tgtggagcct gagtgcatca tggagaaggt     480
ggccaaggct tcaggtgcca actacagctt tcacaaggag agtggccgct tccaggacgt     540
gggaccccag gccccagtgg gctctgtgta ccagaagacc aatgccgtgt ctgagattaa     600
aagggttggt aaagacagct tctgggccaa agcagagaag gaggaggaga accgtcggct     660
ggaggaaaag cggcggggccg aggaggcaca gcggcagctg gagcaggagc gccgggagcg     720
tgagctgcgt gaggctgcac gccgggagca gcgctatcag gagcagggtg gcgaggccag     780
cccccagagg acgtgggagc agcagcaaga agtggtttca aggaaccgaa atgagcagga     840
gtctgccgtg cacccgaggg agattttcaa gcagaaggag agggccatgt ccaccacctc     900
catctccagt cctcagcctg gcaagctgag gagccccttc ctgcagaagc agctcaccca     960
accagagacc cactttggca gagagccagc tgctgccatc tcaaggccca gggcagatct    1020
ccctgctgag gagccggcgc ccagcactcc tccatgtctg gtgcaggcag aagaggaggc    1080
tgtgtatgag gaacctccag agcaggagac cttctacgag cagcccccac tggtgcagca    1140
```

```
gcaaggtgct ggctctgagc acattgacca ccacattcag ggccagggc  tcagtgggca   1200
agggctctgt gcccgtgccc tgtacgacta ccaggcagcc gacgacacag agatctcctt   1260
tgaccccgag aacctcatca cgggcatcga ggtgatcgac gaaggctggt ggcgtggcta   1320
tgggccggat ggccattttg gcatgttccc tgccaactac gtggagctca ttgagtgagg   1380
ctgagggcac atcttgccct tcccctctca gacatggctt ccttattgct ggaagaggag   1440
gcctgggagt tgacattcag cactcttcca ggaataggac ccccagtgag gatgaggcct   1500
cagggctccc tccggcttgg cagactcagc ctgtcacccc aaatgcagca atggcctggt   1560
gattcccaca catccttcct gcatcccccg accctcccag acagcttggc tcttgcccct   1620
gacaggatac tgagccaagc cctgcctgtg gccaagccct gagtggccac tgccaagctg   1680
cggggaaggg tcctgagcag gggcatctgg gaggctctgg ctgccttctg catttatttg   1740
cctttttct ttttctcttg cttctaaggg gtggtggcca ccactgttta gaatgaccct    1800
tgggaacagt gaacgtagag aattgttttt agcagagttt gtgaccaaag tcagagtgga   1860
tcatggtggt ttggcagcag ggaatttgtc ttgttggagc ctgctctgtg ctccccactc   1920
catttctctg tccctctgcc tgggctatgg gaagtgggga tgcagatggc caagctccca   1980
ccctgggtat tcaaaaacgg cagacacaac atgttcctcc acgcggctca ctcgatgcct   2040
gcaggcccca gtgtgtgcct caactgattc tgacttcagg aaaagtaaca cagagtggcc   2100
ttggcctgtt gtcttcccct attttctgtc ccagctcatc cgtgtctctg aagaacaaat   2160
atgcttttgg accacgaaaa aaaaaaaaaa ggggcggccg t                       2201
```

<210> 8447
<211> 721
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (188)...(600)
<223> similar to gi4929733 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters.

<400> 8447

```
ggcacgaggg catggcgagc ggatcatccg cttccggagt cgaggttttc gggcttgtac    60
cgcttggcgg tgcggcctgg tgtcggcttg caggttcttt ctgtgtttgt tctctgccct   120
gccaaggccg tagagctggt gcgtgcgggt agcggggctc tccgaggagc cgcacgccgg   180
cggcaccatg gtccacctca ctactctcct ctgcaaggcc taccgtgggg gccacttaac   240
catccgcctt gccctgggtg gctgcaccaa tcggccgttc taccgcattg tggctgctca   300
caacaagtgt cccagggatg gccgtttcgt agagcagctg ggctcctatg atccattgcc   360
caacagtcat ggagaaaaac tcgttgccct caacctagac aggatccgtc attggattgg   420
ctgcggggcc cacctctcta agcctatgga aaagcttctg ggtcttgctg gcttttttccc   480
tctgcatcct atgatgatca caaatgctga gagactgcga aggaaacggg cacgtgaagt   540
cctgttagct tctcagaaaa cagatgcaga agctacagat acagaggcta cagaaacata   600
aatgagctga ctttagtgag catagcagtg ggaacaaggt caaggtcctt ttgaaacact   660
gcagcgatct taattttgtt agatttggag ttcaataaat ggagtatcct gaaaaaaaaa   720
a                                                                    721
```

<210> 8448
```

<211> 2144
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (359)...(763)
<223> similar to gi1255376 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8448
cgtaccggcc tggagttccc gggtcgacga tttcgtgcct ccggctttga agttcctcac   60
cgcgtctcct tttctctccc caaagcctgg atcaccgccc agcgtcaggc gaggggcgac   120
gtctcgaggt aaaacggagg aggtgcggga cgcggagact gcgcgggccc ggtagccctg   180
gagaggccga ggctctaggc cgcgagggc gggtgcaatg gcggaggaac aggtgaaccg   240
cagcgccggc ctggcccccg actgtgaggc ctcggcgact gcagaaacta cggtttcctc   300
agtggggacc tgtgaagccg ctggcaagtc accagagccc aaggactacg acagcacctg   360
cgtgttctgc cggatcgcgg ggcggcagga cccgggcacc gaactcctgc actgcgagaa   420
tgaggaccta atttgcttca aagatatcaa accagcagca actcatcatt atcttgtggt   480
gccaaagaag catattggaa actgcagaac tctaaggaaa gatcaagtag aactggttga   540
gaacatggta actgttggaa aaaccattct tgaaagaaat aatttcactg acttcacgaa   600
tgtgaggatg ggttttcata tgccaccatt ctgttccatt tcccacttgc accttcatgt   660
tctggcacca gtggatcagc ttggcttctt atccaagttg gtttatagag tcaattccta   720
ttggtttatc acagctgatc acttgattga aaaactaaga acatgaaaat gtcaagagcg   780
gaagattttt ctaatcttgg ttcaccatga agtggtattt aggtcccttt taagtctaat   840
tgcaatttta agatttgttg ggtttatga gaggctgtta cttagtgggc cttaaatctt   900
ttctgaatgt ctgtttccta agatctgtga tacagttatg tgaatatttt gttactgact   960
tgtttcaatg gttacttgta taaggatttt atatatatga tactatagat aaaatcctat   1020
ttaagacaaa ttctgttaat caacaagggc tctgtatttt tttaagttaa aatattttca   1080
tttctcagta agtagtcagt tataatagtg atttatttat gaagaataaa ctactataga   1140
aagtactttg tgggaacctt tattactgtg aaggagaaaa atagctattt cttgacagtt   1200
ctatagtttt acacataaat tttcaaaata aagaatacca tactacacaa tgatctctga   1260
ttttgctgag ggaaggaatt atatatgtgc cactttttcc tcaaatttca gatgccagtt   1320
ttcactttttt gaagcattgc atcttttaa taaatctatc ctgaaagcta tataatatat   1380
ataatttata tcaatgaatt tacaataact atcaaattgg ctatcagaat tcactgtaat   1440
ggaattttgc ctctaataac ataaaggggg aagaaacata aagtggttct cttaataaaa   1500
ctagcagaaa atgttgcttt atggcatgtt tttgtatcaa agagaaatca gaggttaaac   1560
tttgctttta tcatgaaaag ggcctgattt gaaggtagag ataggcttag atgagaaaaa   1620
ttgataacgc aatgttaata ctattgatat ttcataggta tattttgtta gaaattggtt   1680
ttttggtgct aatctatagg cacaatagtg aatatgaatg aagagtaggt gctgcaagtt   1740
aatcctacat tgtgccagtg tatattagta ccatgtaaat gaatatgaat aaatgaacat   1800
gaggattaac gaactgttga aaataggctg agatactagt tttctttctt ttttagaggg   1860
ggcatgatat taaagatagt tttaagtaac aaattactta ttacaaagtt acaacatgtg   1920
gaatcaatac tgttttattt gttcattaat ttattcattc agcaaacatt tgttgaacat   1980
ttaatgtgta ccagatattg ccaggatcag gaaataaaga actaaaaatg gacattcaga   2040
ctgcaattgc tagtacaggg gtcaaacaaa atcagtgatt agaatttagt gcgttaagtt   2100
ccctgatgcc ttcacagcct tgttttatt ttttaaaaaa aaaa   2144

<210> 8449
<211> 2078

7035

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1920)...(964)
<223> similar to gi189498 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8449
tgccataagg ttttcgatgt gggtaatatt taacaggaat agtcttaaga gaacttcctg   60
agatactcaa aagttcaaga agatctattc tagctggagt ggaaattcca gaagtattga   120
gcagtacata ggtaggtatt ccttgcactg gtctgctgac tgttttttg aagtccaggg   180
tgggctttcg agaaaagcca gctcggaaat caatagtact gaggccagta atgcgaacag   240
agtgccttcc actgcttgag gtcttcactg tccacattcc agcctctggc tctttcacat   300
tcactacttt ggcagagtta tggatattta atagctcatg caggccaaat cccttttta   360
tcagcttccc tcaaggattg cgatttaaaa ataaacttta ttaaagcagt taaacttagc   420
attaaataac actctttaaa tggtacacct atgaagcaag agttaaatat aaacccagtc   480
taatcctgta cacttgtgat taattgtgac aatcttaagt tgctcacttc tttcccattt   540
accaattcag agaaagcccg tttcctgttt tctcctcacc actttgcctt ggcatcacac   600
caaccctgcc tcgggcttca gctgcagatc ctccccagcc cctcctccca gctgggctga   660
ctccagtccc agccccagtc tccaccaact gagcagcgta cgcaggttg tgtctggctt   720
ccagcatcta ccaccccttc agagcaactt ccaacatggg acaggagagg aagctcgcat   780
tgcttggtct gaacagattt aaggaggttt tatcacaagg acctgaaaac ttcctaagca   840
tgctttctcc ttgcacagct gaggaggggc aatggtggga gcggggcagg ggggtggcag   900
gggcggcagg ggctctcaac taagggctct gaatcacaga ggggacagat gctgccttag   960
tccttcttgc ctcccagggc caggcttctt gtgaggagct tccctgggct ggaggggtc   1020
agtgtggaga ctgtggggga ttccagcttc actctgtcta agagggtctt cttaagggca   1080
gctggggaga tcttttcttg gtcggccatg gactgtagct ctcgtgttcg gatacaggag   1140
gcctcaactg cattgatgag cagagagcgg aagcccccac tctctagaaa gtgcagggcg   1200
tggatggtgg ctcccccagg ggagcagaca ttgtccttaa gctggcatgg atgctgctcc   1260
gagtccagca gcatcttggc agctcccagc aaagcctggg ccccgagttg gattgccagg   1320
cgccgtggca aaccatctt caccccacca tcagccaatg cgtccagagc catgaatgca   1380
taggcaggcc cgctgccact gagccccgtg acggcatcga tgaggtcctc ttccacctca   1440
gtgcagaagc ccacgctgct catgagctgc tccaggagct gcccatcctc caccagggca   1500
tgggtgcccg tggcgtacac tgtagcgcct tcctgcacta ccacaggtgt gttggtcatg   1560
cagcgaatca ctttggggc tggctggaat gccatcagct tcttctccac agagctgatg   1620
gtgacaccag ccgcacagga gaccacgatg tgtctggctt gcacgtcggc cccaatctca   1680
tccaggatga aggggatgat atgtggcttc acagccagaa acaggacgtc gctgtgcttc   1740
accgtctcct tgttgctgcg tgtcaggttc acaccatct tcctgagcgc ggacaccgtg   1800
ggcaggttca tttctgggga gctggctatt atcttgtgag ccgacaggat gcctgcggcc   1860
gtgaagcccc gcgccagagc ataggccagc tggccggccc cgatgaagcc cacgctcatg   1920
gtccgcggtt cacgcctcct gggagccgca cgaaccccct cagcgaggga ccggaagtaa   1980
cgctagggga agggcggaca gcgcaggggc gaacgggcgg cgtgccgagg accggcgagc   2040
taacagcagc ttctgggatg gtgcaaccct attctcgg   2078

<210> 8450
<211> 1255
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (81)...(1183)
<223> similar to gi3288685 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8450
```
tttcgtcggc ggccgaggcg atgagggtgt tggtgcggcg ctgttggggt cctccgctgg      60
ctcatggcgc caggcgtggg aggccgagtc cccagtggcg agcactggcc cgactcggct     120
gggaggactg ccgggactcc agagtccgcg agaagcctcc ctggcgggtg ctcttcttcg     180
gcacggacca gttcgcccgc gaggcgctgc gggcgctgca cgccgccagg gaaaacaaag     240
aagaagagtt aatcgacaaa ctggaggtgg tcacaatgcc ttccccatca ccaaaaggac     300
tgccagtgaa gcaatatgct gtgcagtctc agcttcccgt atatgagtgg ccggatgtgg     360
gatctggaga atatgatgtt ggagtagtgg cttcgtttgg ccgacttttg aatgaggctc     420
ttattcttaa atttccctat ggcatattga atgttcatcc cagttgcctc ccgagatggc     480
gtggcccagc ccctgtaatc catacagtgc ttcacggaga cacagttact ggagtaacaa     540
ttatgcaaat tagacctaaa aggtttgatg taggcccaat tctcaaacaa gaaactgttc     600
ctgtgccacc caagagcact gcaaaggaat tggaagcagt gttgtcaaga ctgggtgcca     660
acatgctcat ttcagttttg aaaaatttgc ctgaaagtct gagcaatgga aggcagcagc     720
caatggaggg ggcgacttac gcccctaaga tttctgctgg taccagttgt ataaaatggg     780
aggaacaaac ttcagaacaa atattcagac tttaccgtgc cattggaaat ataattccgt     840
tgcagacgct ctggatggcg aataccatta aacttctgga tttggtagaa gttaacagtt     900
cagtccttgc tgatccaaaa ttaacgggac aggctcttat tccaggatca gtaatatacc     960
acaaacagtc acaaatacta ttggtttatt gcaaggatgg ttggattggt gttcgatcag    1020
tgatgctcaa gaaatcacta acagctactg acttctacaa tggatatttg caccccctggt    1080
accagaaaaa ttcccaagct caaccaagcc aatgcagatt tcagactctc agacttccaa    1140
caaagaagaa gcagaaaaaa actgttgcta tgcaacaatg cattgagtag ttaggaagaa    1200
gatggataaa aacctattac atatttgtaa tttattaaaa accttatttta caagg        1255
```


<210> 8451
<211> 831
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (806)...(35)
<223> similar to gi895851 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8451
```
tttttttttt ttcttcacgg catgtgcttt tattaacctg actgtttaca ggagctgaag      60
ctcttgggtt tgcggtgatg actcttgaac ttcttttttca acgagcccaa ctgcttcttc     120
ccgcgcttct ggaccagccc tcggtacacg gtcgtctctc tcctgccctc atcagtggcc     180
ttctctcttg ggggctttgc cttctcatcc tctttgtctg tcaaaaagtc atcagtgcca     240
tccccatcct ccgtgcttcc aaggtccttt ctggtgaata gctcaggtgg gtacaggtct     300
```


7037

```
gtcatgctgt catcacttgc agctcccccc tcatcactgg atgtgggctc ccagaaggct        360
tcccgcgggc gaggcccgtc accgtccatc tggtcctccc tcctcctcct ccggtgcacc        420
aggcaggcag gcacgtactc caccccttgc ttctgacatt cttcatattt acacagagct        480
cgctggtacc gccggccctg ggtgtgcctc agcacgtgtt ctgggcactt gttgatgtgc        540
cgcagggtga gtttgcagaa caactggtgc gggttcttgg tgctgggcac gatgtgcggc        600
tcgaactctg catagtcgaa ggccggggag gcgcggacca gccgctggta ctttttgccg        660
cgggtgtaga cctggagctc cggcaggcgg cagggcagct cgtgacctgt caggatgcac        720
ctcaccttgc gggcgtccgt ctggagccgc aggctcgggt gctcccgcag aaacgcccgc        780
acgtcgcccg gcaactcgct catggccgac gcgcccgcgc ccacgcgtcc g                 831
```


```
<210> 8452
<211> 2716
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (626)...(1878)
<223> similar to gi4886501 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 8452
ttcgtgcgtt ttacgcaggc tgtggcagcg acgcggtgag gagacggccc acggcgcccg         60
cgggctgggg cggtcgcttc ttccttctcc gtggcctacg agggtctgga tccttctctg        120
ccggctcgtg ggccgtgcct ttgcccttct gcgaggccct gaatctgatc ccttcccttc        180
atatccggat ccgggctcct ccctccaagc ccggggttcc ggacacctcc cccaagacaa        240
cccctctggc ctcctctcct tcagtacttg gaatctgatc tcttctccct aattctgcgg        300
atccggcccc taatattctt tatcagaccc tcagacaaga ggctgacttc tgccccccttg       360
tcaaggagcg aggccacttt cctctccacc ccatgctagc gaggataact tatttctctt        420
ctggaattgc atcttatgcg cctttcccca cccatcccca cagccctgc aatacccagt         480
ttggcctctt ttgcttgtaa taacgcagat cccagcgcca cggcacctta ggaacagacc        540
ttttctttc tcgcgtgggg gcctggactc cttcagtgga agcctctcca cgccctctat         600
ctgcaggtcc ccagcctggg taaagatggc cccatggccc ccgaagggcc tagtcccagc        660
tgtgctctgg ggcctcagcc tcttcctcaa cctcccagga cctatctggc tccagccctc        720
tccacctccc cagtcttctc ccccgcctca gccccatccg tgtcatacct gccggggact        780
ggttgacagc tttaacaagg gcctggagag aaccatccgg gacaactttg gaggtggaaa        840
cactgcctgg gaggaagaga atttgtccaa atacaaagac agtgagaccc gcctggtaga       900
ggtgctggag ggtgtgtgca gcaagtcaga cttcgagtgc caccgcctgc tggagctgag       960
tgaggagctg gtggagagct ggtggtttca caagcagcag gaggccccgg acctcttcca      1020
gtggctgtgc tcagattccc tgaagctctg ctgccccgca ggcaccttcg ggccctcctg      1080
ccttccctgt cctggggggaa cagagaggcc ctgcggtggc tacgggcagt gtgaaggaga     1140
aggacacga gggggcagcg ggcactgtga ctgccaagcc ggctacgggg gtgaggcctg       1200
tggccagtgt ggccttggct actttgaggc agaacgcaac gccagccatc tggtatgttc      1260
ggcttgtttt ggcccctgtg cccgatgctc aggacctgag gaatcaaact gtttgcaatg     1320
caagaagggc tgggccctgc atcacctcaa gtgtgtagac attgatgagt gtggcacaga      1380
gggagccaac tgtggagctg accaattctg cgtgaacact gagggctcct atgagtgccg     1440
agactgtgcc aaggcctgcc taggctgcat gggggcaggg ccaggtcgct gtaagaagtg     1500
tagccctggc tatcagcagg tgggctccaa gtgtctcgat gtggatgagt gtgagacaga      1560
ggtgtgtccg ggagagaaca agcagtgtga aaacaccgag ggcggttatc gctgcatctg     1620
tgccgagggc tacaagcaga tggaaggcat ctgtgtgaag gagcagatcc cagagtcagc     1680
```

```
aggcttcttc tcagagatga cagaagacga gttggtggtg ctgcagcaga tgttctttgg      1740
catcatcatc tgtgcactgg ccacgctggc tgctaagggc gacttggtgt tcaccgccat      1800
cttcattggg gctgtggcgg ccatgactgg ctactggttg tcagagcgca gtgaccgtgt      1860
gctggagggc ttcatcaagg gcagataatc gcggccacca cctgtaggac ctcctcccac      1920
ccacgctgcc cccagagctt gggctgccct cctgctggac actcaggaca gcttggttta      1980
tttttgagag tggggtaagc accctacct gccttacaga gcagcccagg tacccaggcc       2040
cgggcagaca aggcccctgg ggtaaaaagt agccctgaag gtggatacca tgagctcttc      2100
acctggcggg gactggcagg cttcacaatg tgtgaatttc aaaagttttt ccttaatggt      2160
ggctgctaga gctttggccc ctgcttagga ttaggtggtc ctcacagggg tggggccatc      2220
acagctccct cctgccagct gcatgctgcc agttcctgtt ctgtgttcac cacatcccca      2280
caccccattg ccacttattt attcatctca ggaaataaag aaaggtcttg gaaagttaaa      2340
aggcatcagt cttactacct gtcccaccac ccccacctta gggaaatgtc ctagaatcct      2400
gggaaattga gggcttcttt gatggtgagt ggagaaaaga tagaggagaa ggttgcccct      2460
gaagtgctgt taggagaagg aggatagagg aatcagcctt aggagggttc catgccagct      2520
gtcatttggc aaaggaccct ggacagatga cttttgcctc tgaacttcac tcttctcttt      2580
cctcaaatgg gcttcataat gctttccact caggcttaac atgagaatta aatgaggtga      2640
caaatgtgaa gacctggaca gtacacaaca gatattcaat aaaagtgtgg tcgcccttat      2700
gccccgaaaa aaaaaa                                                      2716
```

```
<210> 8453
<211> 1102
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (41)...(918)
<223> similar to gi217690 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 8453
tttcgtgctg cggagccagg cgcggcgcag gatggtggac agcgtgtacc ggacccgctc        60
cctgggggtg gcggccgaag ggctcccgga ccagtacgcg gacggggagg cggcgcgcgt       120
gtggcagctg tatatcggag acacccgcag ccgcaccgcc gagtacaagg catggctgct       180
tgggctgctg cgccagcacg gctgccagcg ggtgctcgac gtagcctgtg gcactgggggt      240
ggactccatt atgctggtgg aagagggctt cagtgtgacg agtgtggatg ccagtgacaa      300
gatgctgaag tatgcactta aggagcgctg gaaccggcgg cacgagcccg ccttcgacaa      360
gtgggtcatc gaagaagcca actggatgac tctggacaaa gatgtgcccc agtcagcaga      420
gggtggcttt gatgctgtca tctgccttgg aaacagtttc gctcacttgc cagactgcaa      480
aggggaccag agtgagcacc ggctggcgct gaaaaacatt gcgagcatgg tgcgggcagg      540
gggcctactg gtcattgatc atcgcaacta cgaccacatc ctcagtacag gctgtgcacc      600
cccagggaag aacatctact ataagagtga cttgaccaag gacgtcacaa catcagtgct      660
gatagtgaac aacaaggccc acatggtgac cctggactat acggtgcagg tgccgggggc      720
tggccaggat ggctctcctg gcttgagtaa gttccggctc tcctactacc cacactgtct      780
ggcatccttc acggagctgc tccaagcagc cttcggaggt aagtgccagc acagcgtcct      840
gggcgacttc aagccttaca agccaggcca aacctacatt ccctgctact tcatccacgt      900
gctcaagagg acagactgag tgtggcctca gctcccacaa gcctctgccc aggcactgct      960
aggctctgtc tggaagatgg ggaccagcag ccccacacca gggccagcct ctagagcaga     1020
ctacagctgg ggtgcaggga tgtgggttcc acagacggaa gggtaaacaa tatagtcttt     1080
ttcagttcct gcaaaaaaaa aa                                             1102
```

7039

```
<210> 8454
<211> 1132
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (340)...(734)
<223> similar to gi1217980 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters


     <400> 8454
tttcgtccgc cgcctgggct cctagggact gtggcctcgg cggtatgtcc cttgctttcc     60
cttgaagcgg gagaagaccc ggcagaggcg ctctgtccgc tgcagccgcg cgggtggagg    120
aggcagagtc tgaggtgtga ccccgaccaa gtttgacgct tctgtcctcc tagggagcaa    180
gctcggctga aggcccacgt cgtagaccgg gacaccgagg cgtggcagcg agaccccgcc    240
ttctcgggtc tgcagagggt cgggggcgtt gacgtgtcct tcgtgaaagg ggacagtgtc    300
cgcgcttgtg cttccctggt ggtgctcagc ttccctgagc tcgaggtcct tcttgtggat    360
ggaaacgggg tactccacca ccgaggcttt ggggtggcct gccaccttgg cgtccttaca    420
gacctgccgt gtgttggggt ggccaagaaa cttctgcagg tggatgggct ggagaacaac    480
gccctgcaca aggagaagat ccgactcctg cagactcgag gagactcatt ccctctgctg    540
ggagactctg ggactgtcct gggaatggcc ctgaggagcc acgaccgcag caccaggccc    600
ctctacatct ccgtgggcca caggatgagc ctggaggccg ctgtgcgcct gacttgctgc    660
tgctgcaggt tccggatccc agagcccgtg cgccaggctg acatctgctc ccgagagcac    720
atccgcaagt cgctgggact ccccgggcca cccacaccga ggagcccgaa ggcgcaggag    780
gccagtggca tgccccaaag gagactccgg agagtcctca ggtggagcac ccagtcccca    840
aagacaggct gaccgcacca ccccaggggg acgccgcagc acagcccagc accaggtggg    900
gcagaggtga ccacggcccc tctttgctcc gtcatcggct ggtcagctgt ggtcacggtg    960
cctcagagga cagatctcta tggggggcaag tgccagatcc tgagagcgca tgagacgctt   1020
tcccggagcc gacgaagggg actcggagct gcagcctgca cgacccctgc agcctgtgct   1080
ttgcccaccc ctttcaatag atggaacttg cttgctcttt tcaaaaaaaa aa          1132


     <210> 8455
     <211> 1031
     <212> DNA
     <213> Homo sapiens

     <220>
     <221> misc_feature
     <222> (45)...(770)
     <223> similar to gi3925599 in the genepept database release 114,
         Run with FASTXY 3.3t00, default parameters
```

<400> 8455

```
ttcctttcaa  atacacaccc  caacccgccc  cggcatacac  agaaatgggg  actgcgagca      60
gaagcaacat  cgctcgccat  ctgcaaacca  atctcattct  attttgtgtc  ggtgctgtgg     120
gcgcctgtac  tctctctgtc  acacaaccgt  ggtacctaga  agtggactac  actcatgagg     180
ccgtcaccat  aaagtgtacc  ttctccgcaa  ccggatgccc  ttctgagcaa  ccaacatgcc     240
tgtggtttcg  ctacggtgct  caccagcctg  agaacctgtg  cttggacggg  tgcaaaagtg     300
aggcagacaa  gttcacagtg  agggaggccc  tcaaagaaaa  ccaagtttcc  ctcactgtaa     360
acagagtgac  ttcaaatgac  agtgcaattt  acatctgtgg  aatagcattc  cccagtgtgc     420
cggaagcgag  agctaaacag  acaggaggag  ggaccacact  ggtggtaaga  gaaattaagc     480
tgctcagcaa  ggaactgcgg  agcttcctga  cagctcttgt  atcactgctc  tctgtctatg     540
tgaccggtgt  gtgcgtggcc  ttcatactcc  tctccaaatc  aaaatccaac  cctctaagaa     600
acaaagaaat  aaaagaagac  tcccaaaaga  agaagagtgc  tcggcgtatt  tttcaggaaa     660
ttgctcaaga  actataccat  aagagacatg  tggaaacaaa  tcagcaatct  gagaaagata     720
acaacactta  tgaaaacaga  agagtacttt  ccaactatga  aaggccatag  aaacgtttta     780
attttcaatg  aagtcactga  aaaatccaac  tccaacgagc  tatggcagtg  ttaatgaaca     840
taaatcatca  ggtcttaaaa  aaaaaataaa  ggtaaactga  aaaagacaac  tggctacaaa     900
gaaggatgcc  agaatgtaag  gaaactataa  ctaatagtca  ttaccaaaat  actaaaaccc     960
aacaaaatgc  aactgaaaaa  taccttccaa  atttgccaag  aaaaaaaatt  ctattttaaa    1020
aaaaaaaaaa  a                                                            1031
```

<210> 8456
<211> 3758
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3744)...(1603)
<223> similar to gi5630080 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8456

```
tttttttttt  ttccagttca  ttgaggcttt  actgtaggca  agctggagaa  cccccagctc      60
tgtgaacatg  cagtctgcaa  tctggatacc  ttttatttaa  tgtcaagaat  tcccttttgca    120
cggcaaaaag  gggtctgagg  aaagcggagc  agcgtagatg  agggcgaggg  cggaagcagg     180
acgctcgcca  aagtggtgcc  gggtgccggc  tgcccactgt  gatcccggct  gggaggaacg     240
ccggacccac  ggcaagggca  gggaaagtca  tttttgacac  aaacaagggt  cctggggcat     300
accaccccac  ccggtgccag  gccatgcaag  acgctgaaat  ggagactgtg  gcccctcggg     360
acgcagcgcc  cggagctatg  gagcaggtgc  accaacgtga  aggggaatcc  tttgggcgct     420
tcccgaggcg  cctgcagggt  gtggagcaca  gcaggtctg  tatccatgtc  cgtgagcacg     480
ggcagtaaca  gatagcacca  attgggaggc  ccagggcagg  agagcctgag  gctcagactc     540
tagcacccac  ttgcccggcg  ctgctgggaa  gagacacgtg  acggctactc  tcacagcaaa     600
agcctctccc  tcgcccctct  gccctgggag  aactggaaca  aatcatcatg  gtgaggtctg     660
acctggggcc  ctaactgcct  gtggggggacc  aggccactgt  tgtgcagtga  caagatgctg     720
ctgcaccaga  ttgaggggct  ggggacaggc  tggggccgag  gcggcaccag  gagctcccat     780
ggagaaagag  ccctctgaat  gtacaacctg  gggcgttccg  tagccaatct  gttcccggct     840
cccaggaacc  ccaggagctg  gcctcctgtc  gcttctggtt  ttatccgtgg  gtgagagcaa     900
ggaaaggaag  agagaccagg  aaaggaagag  agaccaggag  ggccaggcca  gcagcttccc     960
gagcagcgga  ggtaggcgga  gagcgcggtt  gggcagcgcg  cgccccttcc  cgtgtgattg    1020
```

<221> misc_feature
<222> (304)...(331)
<223> similar to gi532768 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8457
cgtagtaact gtggtggtat tccgcccatg cggctgtaga cgccatgatg gatgtttttg   60
gtgtgggttt cccaagcaag gttccttgga agaagatgtc tgcagaggag ctggagaatc   120
agtactgtcc cagccgatgg gttgtccgac tgggagcaga ggaagccttg aggacctact   180
cacagatagg aattgaagcc accacaaggg cccgggccac caggaagagc ctgctgcatg   240
tcccctatgg agacggcgaa ggggagaaag tggacattta cttccccgac gagtcgtctg   300
aagccaccac aagggcccgg gccaccagga agagcctgct gcatgtcccc tatggagacg   360
gcgaaggggga gaaagtggac atttacttcc ccgacgagtc gtctgaagcc ttgcctttct   420
tcctgttctt tcacggagga tactggcaga gcggaaggca ccctggacca catggtagac   480
caggtgaccc gcagcgttgc gtttgtccag aagcggtatc caagcaacaa gcttttttcct   540
ggtgagtggg gtctttgacc tggagcccat cgtgtatact tcacagaacg ttgctcc   597

<210> 8458
<211> 1163
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (58)...(573)
<223> similar to gi2911587 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8458
ccgagtcgac gatttcgtgg caggcgccag tcgcaggtgt gctgctgagg cgtgagaatg   60
gcgtcccgcg gccggcgtcc ggagcatggc ggacccccag agctgtttta tgacgagaca   120
gaagcccgga aatacgttcg caactcacgg atgattgata tccagaccag gatggctggg   180
cgagcattgg agcttcttta tctgccagag aataagccct gttacctgct ggatattggc   240
tgtggcactg ggctgagtgg aagttatctg tcagatgaag ggcactattg ggtgggcctg   300
gatatcagcc ctgccatgct ggatgaggct gtggaccgag agatagaggg agacctgctg   360
ctgggggata tgggccaggg catcccattc aagccaggca catttgatgg ttgcatcagc   420
atttctgctg tgcagtggct ctgtaatgct aacaagaagt ctgaaaaccc tgccaagcgc   480
ctgtactgct tttttgcttc tcttttttct gttctcgtcc ggggatcccg agctgtcctg   540
cagctgtacc ctgagaactc agagcagttg gagctgatca caacccaggc cacaaaggca   600
ggcttctccg gtggcatggt ggtagactac cctaacagtg ccaaagcaaa gaaattctac   660
ctctgcttgt tttctgggcc ttcgaccttt ataccagagg ggctgagtga aaatcaggat   720
gaagttgaac ccagggagtc tgtgttcacc aatgagaggt tcccattaag gatgtcgagg   780
cggggaatgg tgaggaagag tcgggcatgg gtgctggaga agaaggagcg gcacaggcgc   840
cagggcaggg aagtcagacc tgacacccag tacaccggcc gcaagcgcaa gccccgcttc   900
taagtcacca cgcggttctg gaaaggcact tgcctctgca cttttctata ttgttcagct   960
gacaaagtag tattttagaa aagttctaaa gttataaaaa tgttttctgc agtaaaaaaa   1020
aagttctctg ggccgggcgt ggtggctcac acctgtaatc ccagcacctt gggaggctga   1080

ggtgggagga tcatttgagg ccaggagttt gagacctgcc tgggcaacat aatgaaactt   1140
cctttccagg gagaaaaaaa aaa   1163

        <210> 8459
        <211> 3220
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (128)...(1836)
        <223> similar to gi2995194 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters

        <400> 8459
    tttcgtctga gaggtaagag agggcggggg gaaggaagag gaggcgggat ccgggcgctg   60
    cgttggctgc ggcctggcac caaaggggcg gccccggcgg agagcggacc cagtggcctc   120
    ggcgattatg gacccggtcg aggcggtgct gcaagagaag gcactcaagt ttatgaattc   180
    ctcagagaga gaagactgta ataatggcga acccctagg aagataatac cagagaagaa   240
    ttcgcttaga cagacataca acagctgtgc cagactctgc ttaaaccaag aaacagtatg   300
    tttagcaagc actgctatga agactgagaa ttgtgtggcc aaaacaaaac ttgccaatgg   360
    cacttccagt atgattgtgc ccaagcaacg gaaactctca gcaagctatg aaaaggaaaa   420
    ggaactgtgt gtcaaatact ttgagcagtg gtcagagtca gatcaagtgg aatttgtgga   480
    acatctttata tcccaaatgt gtcattacca acatgggcac ataaactcgt atcttaaacc   540
    tatgttgcag agagatttca taactgctct gccagctcgg ggattggatc atattgctga   600
    gaacattctg tcatacctgg atgccaaatc actatgtgct gctgaacttg tgtgcaagga   660
    atggtaccga gtgacctctg atggcatgct gtggaagaag cttatcgaga gaatggtcag   720
    gacagattct ctgtggagag gcctggcaga acgaagagga tggggacagt atttattcaa   780
    aaacaaacct cctgacggga atgctcctcc caactctttt tatagagcac tttatcctaa   840
    aattatacaa gacattgaga caatagaatc taattggaga tgtggaagac atagtttaca   900
    gagaattcac tgccgaagtg aaacaagcaa aggagtttac tgtttacagt atgatgatca   960
    gaaaatagta agcggccttc gagacaacac aatcaagatc tgggataaaa acacattgga   1020
    atgcaagcga attctcacag gccatacagg ttcagtcctc tgtctccagt atgatgagag   1080
    agtgatcata acaggatcat cggattccac ggtcagagtg tgggatgtaa atacaggtga   1140
    aatgctaaac acgttgattc accattgtga agcagttctg cacttgcgtt tcaataatgg   1200
    catgatggtg acctgctcca aagatcgttc cattgctgta tgggatatgg cctcccaac   1260
    tgacattacc ctccggaggg tgctggtcgg acaccgagct gctgtcaatg ttgtagactt   1320
    tgatgacaag tacattgttt ctgcatctgg ggatagaact ataaaggtat ggaacacaag   1380
    tacttgtgaa tttgtaagga ccttaaatgg acacaaacga ggcattgcct gtttgcagta   1440
    cagggacagg ctggtagtga gtggctcatc tgacaacact atcagattat gggacataga   1500
    atgtggtgca tgtttacgag tgttagaagg ccatgaggaa ttggtgcgtt gtattcgatt   1560
    tgataacaag aggatagtca gtggggccta tgatggaaaa attaaagtgt gggatcttgt   1620
    ggctgctttg gaccccgtg ctcctgcagg gacactctgt ctacggaccc ttgtggagca   1680
    ttccggaaga gtttttcgac tacagtttga tgaattccag attgtcagta gttcacatga   1740
    tgacacaatc ctcatctggg acttcctaaa tgatccagct gcccaatctg aaccccccg   1800
    ttcccttct cgaacataca cctacatctc cagataaata accatacact gacctcatac   1860
    ttgcccagga cccattaaag tttgcggtat ttaacgtatc tgccaatacc aggatgagca   1920
    acaacagtaa caatcaaact actgcccagt ttccctggac tagccgagga gcaggctttt   1980
    gagactcctg ttgggacaca gttggtctgc agtcggccca ggacggtcta ctcagcacaa   2040
    ctgactgctt cagtgctgct atcaaaagat gtcttctatc ttttgtgaat gattggaact   2100

7044

```
tttaaacctc ccctcctctc ctcctttcac ctctgcacct agtttttcc cattggttcc        2160
agacaaaggt gacttataaa tatatttagt gttttgccag aatctctctt gctttgccat        2220
taagcagaag aactagtttc cctgtatagc ctgctgggag agacccactt ctagggtatg        2280
ggggatgcag cttcaagccc agtgcccagt gtctccctgt taactgcagg aatgccaagc        2340
acctggccag agcagcccag ccccaatatg cttaggagga gacagagttc cctctgtata        2400
gcctctggga caagaaaaag aaaacacaag aatgtataca ctggaagatt tgggcctcct        2460
gcctgccttc tctttgtttc tgttcctctt cccatctact ccctacgcc ccttcaacct        2520
ttttctctg tctgcttcac ctgagaagaa agtgtatgaa gagagtgtcc tcctctcgca        2580
tgagcccaga tcagcccaga aaatgccaac acttggaaga gttaaatgcc tgttcagtga        2640
agatttccag ccccaggcct ttgcctgcaa agtgacccct gtggcaaaca agtggattcc        2700
tcagacatga tactctcatc atatttgcaa ctcttctctc tctttccttc ccccacaccc        2760
caagaggagg attggtggta gggggcaggc agaggggggtg gggagaagtt tcctgggctc        2820
catcaatggc tgcatctttt ctggactcag cagtctcctt gattccatgt agagtgttgg        2880
aaaggagttg ctgattgcat ttcctctcat taacaattgg gtgtgtaata aaaagcattg        2940
gtacttcatc ttaaatcact ggtaaggctc agcctacaga aagataaaaa atggccagag        3000
ccaatcgctt ggtgcattct gcgtaatggt ttccatctcc gatttcctca tcagggcctg        3060
tgaataccca ggtgcctgta tctttgccaa gaccgtgatc aaggtagctt taagagagat        3120
ggtcaggaga aaacactgtt tttgtttttt ttgttgtttt gttttgtttt ggccagttaa        3180
atatcatctc tcaaaatatt gatctcaacc gtgtcaacct                             3220
```



```
        <210> 8460
        <211> 1066
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(1067)
        <223> n = a,t,c or g

        <220>
        <221> misc_feature
        <222> (124)...(617)
        <223> similar to gi4699967 in the genepept database release 114,
          Run with FASTXY 3.3t00, default parameters



        <400> 8460
cggacgcgtg ggctctgtgc ctgctgtttc ctgctgggaa gaaggaaagc cagtgatgct        60
ggcttgaggc tgtagtggga ggcccagcgg attgtgagaa gccagcccgg gcagtgagtg        120
tggatggctt ggcaggtgag cctgctggag ctggaggacc ggcttcagtg tcccatctgc        180
ctggaggtct tcaaggagtc cctaatgcta cagtgcggcc actcctactg caagggctgc        240
ctggtttccc tgtcctacca cctggacacc aaggtgcgct gccccatgtg ctggcaggcg        300
gtggacggca gcagctcctt gcccaacgtc tccctggcct gggtgatcga agccctgagg        360
ctccctgggg acccggagcc caaggtctgc gtgcaccacc ggaacccgct cagcctttc        420
tgcgagaagg accaggagct catctgtggc ctctgcggtc tgctgggctc ccaccaacac        480
cacccggtca cgcccgtntc caccgtctgc agccgcatga aggaggagct cgcagccctc        540
ttctctgagc tgaagcagga gcagaagaag gtggatgagc tcatcgccaa actggtgaaa        600
aaccggaccc gaatcgacgg gagtgcccct tccctctgcc cctgcctggg accggccacc        660
ttcactttcc tgtagagctc agttctcatt ggtcctttac agaaaaccat gccttccata        720
taaagccaga actcaaagca ttccggggcg gggtggggaa agcgcaaatc ctctcagggg        780
```

```
aattcaaccc agttgtcgtt aggactggct ccaagttggc ttttgccctc tgtgtccttg      840
agactgagat aacccaggac ttgagtctcg ggggtaaaca gctgaaagca tgggcgtgac      900
tcctccgccc ctgtgccacc tgtgtctgct tgaccttgcc agcctgtcat ggtgccctcc      960
cagtacctgg gtgcgcaggc gtggagaggc tggcagccct gggccctggc tgatctcctg     1020
aactgagagg cacatggggc tgggacgcat agtgccccgg ccctgg                    1066
```

<210> 8461
<211> 623
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (405)...(136)
<223> similar to gi4150929 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8461
```
tttttttttt ttaatgagaa caggatatga tttatttatg acgaccatat gtgtttgatg      60
cccaattgca gcaggttgtg gcttctcttg catatcttgg tctgggatga cctatctact     120
cagtgtgtcc catttcaggt accgtatttc catgcttctt tattaagcct cataacctcc     180
ctgctttttc caccctcttt tccagcctct tctaaatcta cattgtcgga gcagtgtaat     240
ttggcggcgt cgatccagga ggaccagggt ttgcccagaa acgcctccgg actgggcact     300
ttgcgatcca gtgtcgccat tgctcttcct tcttgttgct ttttccctgt tccttcggca     360
gctgcagccg agagacacgg gattcgagaa cgctccgacg tcatcttcgg aacgttccga     420
cattgagtgt ctggaggac tttggaccat ggagattctg cagttgttgc tctaggagct     480
gaaaccagtg ggtagatgtc gttctgaaac gcaggtgagt ttggagcgcg acgagctacc     540
ttcccatctc aggctgcggg gcgtgcaaaa ctcaaaagtt agggcccccg gacccccggg     600
ttccccgcgc agagcgtatc tcc                                             623
```

<210> 8462
<211> 966
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (291)...(843)
<223> similar to gi30775 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8462
```
gtccgcaatt cccgtgtcga cgatttcgtg gtaaaggctg atacttccca ggacgcggag      60
```

```
gtaacgggcc agggccaaag cgactttcgc tacttggatt ggtcggcgta gctttgggcg      120
gccggacctt ataaagtcac acatctgcgc gcctgtgcgg cccctgcttc tgcggatgct      180
gaggcacgta aaaaaatttg aagaagggaa tttcgcggca ttcttggcct ggcttcctgg      240
cgtagccagc aagttcggag gtgttaaccg ctgctgtcat gtttctttg ctaaactgca      300
tcgtcgctgt gtcccaaaac atgggcatcg gcaagaacgg ggacctgccc aggccgccgc      360
tcaggaatga attcaggtat ttccagagaa tgaccacaac ttcttcagta gagggtaaac      420
agaatctggt gattatgggt aggaagacct ggttctccat tcctgagaag aatcgacctt      480
taaaggatag aattaattta gttctcagca gagaactcaa ggaacctcca caaggagctc      540
attttcttgc cagaagtttg gatgatgcct taaaacttac tgaacgacca gaattagcaa      600
ataaagtaga catgatttgg atagttggtg gcagttctgt ttataaggaa gccatgaatc      660
acctaggcca tcttaaacta tttgtgacaa ggatcatgca ggactttgaa agtgacacgt      720
tttttcaga aattgacttg gagaaatata aacttctgcc tgaataccca ggtattctct      780
ctgatgtcca ggaggggaaa cacatcaagt acaaatttga agtatgtgag aaggatgatt      840
aatatgaagg tgttttctgg tttaagttgt ccccctccc tctgagaaaa gtatgcattt      900
ttacattaga aaagggactg tattgcggcc gctgtagagg atacaaacag tcgtacgggt      960
gcatcg                                                                 966
```

```
          <400> 8463
ggacgtagcg tcgccgcgcc aggttttag cagctgccgc tgagccgccg gacggacgct       60
cgtcttcgcc cgccatggcc gagagcgact gggacacggt gacggtgctg cgcaagaagg      120
gccctacggc cgcccaggcc aaatccaagc aggctatctt agcggcacag agacgaggag      180
aagatgtgga gacttccaag aaatgggctg ctggccagaa caaacaacat tctattacca      240
agaacacggc caagctggac cgggagacag aggagctgca ccatgacagg gtgaccctgg      300
aggtgggcaa ggtgatccag caaggtcggc agagcaaggg gcttacgcag aaggacctgg      360
ccacgaaaat caatgagaag ccacaggtga tcgcggacta tgagagcgga cgggccatac      420
ccaataacca ggtgcttggc aaaatcgagc gggccattgg cctcaagctc cggggaaagg      480
acattggaaa gcccatcgag aaggggccta gggcgaaatg aacacaaagc ctcgaaatca      540
gtgcgctcca gctgatctcg ttccgccggt tccccttggc cgccagttcc gttctcctca      600
cgggccgaac ggaacaaggg gtccagcttg cgggggaccc tccccagccc attcctgctg      660
tcaaacaaac aaaaccttgc tcgtgccgaa ttcggcacga gggaacagaa cctttgatga      720
gagcgttcac agggacactg tctggggggtg cagtgcaagc ccccggcctc ttccctggga      780
acctctgaac tcctccttcc tctgggctct ctgtaacatt tcaccacacg tcagcatcta      840
atcccaagac                                                             850
```

```
          <210> 8464
```

```
<211> 3026
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (453)...(1808)
<223> similar to gi3080434 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



      <400> 8464
ggaattctcg ggtcgacgat ttcgtggcgc gggcgaggat ggcggcggag aacgaggcca        60
gccaggagag cgccctgggc gcctactcgc cagtggacta catgagcatc accagcttcc       120
cgcggctgcc cgaggacgag ccggcgcccg cggccccgct gaggggccgc aaggacgagg       180
acgcctttct gggagacccc gacaccgacc cggactcctt cctgaagtct gcacggctgc       240
agcggctgcc atcgtcgtcg tcggagatgg gcagccaaga cgggtcgccg ctacgcgaga       300
cgcgcaaaga cccgttctcc gccgcagcgg ccgagtgctc ctgccgccag gatgggctca       360
cggtcatcgt cacggcctgt ctcaccttcg ctaccggtgt caccgtggcg ctggtcatgc       420
agatctactt cggggacccc cagatcttcc agcagggtgc cgtggtgacc gatgctgccc       480
gctgcacttc actgggcatc gaggtgctca gtaaacaggg atcttctgtg gacgcagcgg       540
tggcagcagc cttgtgtttg ggtatcgtgg ctccacacag ttctggcctg ggcggtgggg       600
gcgtgatgct ggtacatgac atccgacgaa atgagagcca cctaattgat ttccgggagt       660
ccgcaccagg ggccctcagg gaagagaccc tgcaaagatc ctgggagacc aagcctgggc       720
tcttggtggg ggttcccgga atggtgaagg ggctacatga agctcaccag ctctatggca       780
ggctgccatg gtcccaagtc ctggcctttg cagcagctgt ggcccaagat ggcttcaacg       840
tgactcatga tctagcccgt gccctggctg aacagctgcc acccaacatg tccgagcgct       900
tccgggagac gttcctgcca tcgggccgcc cgccactacc tggctcgttg ctgcatcggc       960
ccgacctggc tgaggtgctg gatgtacttg gcacctccgg cccggctgcc ttctacgcag      1020
gtggcaacct cacactggag atggtggccg aggctcagca cgcagggggt gtcataaccg      1080
aagaggactt cagcaattac agcgcccttg tggagaagcc tgtgtgtggc gtgtacagag      1140
gccacctggt tcttagtccc ccacctccgc acacgggccc tgccctcatc agtgctctca      1200
acatcctgga gggcttcaat ctcaccagcc tggtatcccg agaacaggct cttcactggg      1260
tggcagagac cctgaagatt gcattagccc tggccagcag actgggagat cccgtctatg      1320
attctaccat cactgagagc atggatgaca tgctcagcaa ggtggaggcc gcctacctcc      1380
ggggccatat caatgactcc caggcagccc ctgccccact cctgcctgtc tatgaactag      1440
acggagctcc cacggctgcc caggtgctga tcatgggacc tgatgacttc attgtggcca      1500
tggttagctc cctgaaccag ccctttggca gcggccttat cacccccctcg gggatcctgc      1560
tcaacagcca gatgctggac ttctcctggc caaccggac agctaaccac tctgcaccca      1620
gcctggagaa ttcagtgcag ccagggaagc ggccactctc tttcctgctg cccacagtgg      1680
tccgacccgc ggaggggctc tgtggaacct acctcgctct gggggccaat ggagctgcgc      1740
ggggcctcag cggcctgaca caggtgaggt ttacgccatg gttggccttt ttcagccggg      1800
agccaagctg tggcctagac tgcagatgcc tgtcatatct gtggcttgtt tccattcctc      1860
atgcggcaaa catgggctga ggctgttttg tgccaggcgc atcctgggca atgtggacat      1920
gggctgcgct gagtttctta gtgaaaatgg agccctgatg ctccctgtct tttccggttg      1980
cagggaaat ggcagggtca gtagattgaa aagtggggtt agcatctggg tggcctgggt      2040
tctgttaacc tcaagtccca ttatacctct acccagcatc tgaatagaca accagccctc      2100
tttagggtgg gatttgaaag gaagggcctg cttttctcca gaacacctca gaatggctcc      2160
atgaatgtct tgagaacctg atatatatgc caggcaccta ttttggcagg tggtgagtta      2220
acgatcttaa gttctggaat cagacactcc tgggttccgg cccaagtgct accaatttgt      2280
aactgtgtga tgctggagca ttcacttaac agctctgaac ctcagtctct tcatctttaa      2340
aatggaaata ataacaatag ctaacattta aagagttcgt actaagtgct gggcactgtg      2400
ttatgtgtgt taaccatttt aaccttccca gttctggaga gaatccttat ttctatttta      2460
tagataagga aaccgaagcc cagagaggtt aagactttag gtcaagtacc ttcagcttag      2520
aaagagcagg gaggcagttt ggttccaaga agcctacgca cactcctaac cactaagtta      2580
```

7048

```
aaagcaccca acattgtgcc cctaagacca actccctagc tattaacctt gcccctatcc      2640
cagagagaaa agaagggagc cccgggctag attaaagaga cttggttcct agtggtgtat      2700
cttcccctgg cttcctctaa actctggagt aagtcatttt ccttgctgga cttcactttc      2760
cctctctgtg aaatggaaac agtcatgcac aggcctgcct gttctttcca ggggctgtta      2820
ggaggctcag atgacacccg gtgtaaggaa ttcttcaaga cttaagggag cctgggacca      2880
agggtggagg agcttgaggg attcctggga ccattcaccc ctggggacag ccctggattt      2940
tttttgttac cttgggttac cacaggttct gctgaatgtc ctgaccttga accggaacct      3000
gagtgacagc ctggcccgcg gccgct                                          3026
```

<210> 8465
<211> 1061
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (61)...(663)
<223> similar to gi5102588 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8465
```
gtccagggca tcacctccta ccagcagcgt ttacaagcat tgagaaagga gaaatcccga        60
gatgctgctc gctcccgccg gggaaaagaa aactttgagt tctatgaatt ggccaagttg       120
ttgcctcttc ctgcagccat taccagccag ctcgacaagg catccatcat tcgacttaca       180
attagctatc tgaaaatgag ggactttgct aaccaggggg accctccgtg gaacttgcga       240
atggaaggcc ctccacctaa cacatcagta aaagttatag gtgcacagcg aaggagaagc       300
cccagtgcac tagccattga agtatttgaa gcacatttgg gaagccacat tttgcagtcc       360
ctggatggct atgtatttgc actaaatcag gaaggaaaat ttttgtacat ttccgaaaca       420
gtctccatct acctaggcct ctcacaagtg gagctgacag gcagcagtgt ctttgactat       480
gtccacccg gagatcacgt ggagatggct gagcagctgg gcatgaagct ccccctggg        540
cggggtctcc tgtcacaggg cactgctgag gacggagcca gctcagcatc ttcctcctct       600
cagtcggaga cccccgagcc agtggtttgc ttcccaccag cgagtgatca gtttcttctg       660
taggacccct gtcaggaaga acatgcctgg atcctacttc agagagaact cagccagggc       720
aaggggctcc tgtggctttt tgggtgggtg tgagttcata gaggggaaaa tcaatactgt       780
accaggattt agacaattta gcaaaatgca cgaggcagta ctttggatga tgaataacta       840
cagctgcatg gctaacccat tggttgtgta aagtatgggt tatcatgttt tgtctaaatt       900
ttcaggcaaa atctagcctg ttttgtggca ttaggatcat cattatagta gtatgatttt       960
tatgctatta tacttacgct atgtcccgaa tgtttttaag gccagcaaaa tggaaacagt      1020
agagtacttg cctgaatgca aataaacttc agtttcaact t                        1061
```


<210> 8466
<211> 952
<212> DNA
<213> Homo sapiens

<220>
```

```
<221> misc_feature
<222> (458)...(750)
<223> similar to gi387113 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 8466
gggcccgggt gtggtatttt tggagttaat ggagtcagaa ggacctccag agtcagagag    60
gtcagaattt ttctcacagc gggaagagga aaatgaagaa gaagaagccc aagaaccaga   120
ggaaacaggc cctaagaacc cccttttaca acctgctctc acaggggatg tagagggttt   180
gcagaaaata tttgaggatc ctgagaatcc tcatcatgaa caggccatgc agcttctctt   240
agaagaagac atcgttggga gaaatttgtt gtatgcagct tgcatggctg ggcaaagtga   300
cgtgattaga gctttggcaa aatatggtgt gaatctgaat gaaaaaacca ccagagggta   360
cacactctta cattgtgctg cagcctgggg tcgtttggaa actttgaaag cactggtaga   420
actggatgtt gatatagaag ctttgaactt ccgggaagaa agggctcgag atgttgctgc   480
tagatattct cagactgagt gtgttgaatt cctggactgg gcagatgcaa ggctgactct   540
gaaaaaatat attgcaaaag tctctttagc tgttactgac acagaaaagg gatcagggaa   600
actccttaag gaagacaaga ataccatcct cagtgcatgc cgtgcaaaaa atgagtggtt   660
ggaaacccat acagaagctt ccattaatga gctttttgag cagagacaac aactggaaga   720
tattgtgact cctatcttca caaaaatgac tacaccatgt caagtgaaaa gtgccaaatc   780
tgtaacaagc catgaccaga agagaagtca agatgatacc tccaactgaa catacgttct   840
gtaaaaggcc acattttctt ttagtatctg aaaggcaaac ctattcatgc catttgaaat   900
cgagaaaaca gatgtggggt tctttaagta tttaagtaca acattacatc gc            952



<210> 8467
<211> 591
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (95)...(248)
<223> similar to gi4102195 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 8467
gggacgggcc agcggtgcac aagaagagac cgaggcgggt ggccccgaga gagccagggc    60
catggaggcc aacatgccga agcggaagga gcctggcagg tctctccgca tcaaagtcat   120
ctccatgggc aacgccgaag tggggaaaag ctgtattata aagcgatact gtgagaaaag   180
atttgtgtct aaatacctgg caacaattgg aattgactat ggagtcacaa aggtacacgt   240
cagagacaga gaaatcaaag ttaacatctt tgatatggct ggacatccct tcttctatga   300
ggtaagaaag ccttttgac aaaacctata tccagtattg ttggtggttt ggggagagat   360
ccagaattat atgaaacaac caatattgat atcatgtgta aaattgcata attttagctt   420
gatcgtggct tgccttcaga gccttgagtt aatagacaac tgttgatttt ttaggttatc   480
ctgttaaata gtggtaggaa atttcattgc caatatttca aacatttcaa taagacattt   540
tgactttcag aggacttttg cttttttacct catactttag cctaaaatgt g            591
```

<210> 8468
<211> 998
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (993)...(550)
<223> similar to gi3513302 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8468
tttttttttt ttgctttta atgttcttat ttatttaaat atgaaaaaac atttcatctc   60
ttcccagttc atctgaaagg aggtcccctg ggtaaacata ggaaagcagt tctgcaggct   120
catgaaggat gctcggctgg aggtcggggg gagcatggct gctttcccca gcatagcccc   180
catgttcccc accctctttg tgccccggat ctgcgatcct gagtccagaa gagctcagca   240
ggaagtggga actgagaagc tgttgggagc caggagggcc ctggaccctc tgttctctgc   300
cccagggctt cagccaccct gcaagcccct ccggacaagg caacgtcagc ccaggtagaa   360
aacttaagag tccctcctag aaaaccagtg atgtgctggc cctttcaggg acacaggccc   420
cttcagcttc accggagatg agaaggtgcc acccgcaaca gggctgctgg tcacagctca   480
gtgcgcgatg ccttggccac aatcaccagc ttggacagct cagctttgaa tgccccgggc   540
ctgtgagcca ctgctgtttt ggtcacttca aattcctcag ttttcagagg gacatcactt   600
tcccttcaa atgcggcttt agagtaggcc atggcgtact caatctcagc gccccgcacc   660
tctgccttga actgtgtgaa gtacagatag gacttcccct ggggcctcca gatggtgcag   720
gtgaagtgct ggtggtcttc gctggtcccc agactcatct gccattgctc attggtccct   780
ccttgagagg cgtaagtgaa catacacgta tatttgtccc ccgggcccac gttatgggag   840
aaggaatgca cgacgccgcc gggccgcacg tcaaacgcca ccgtcgtggg ctcggacacc   900
gcctccgccg gcctcagcgc cacggcccct aggagcagcg cggcccacaa gctcgcgccg   960
acgccgttcc accctccgct gggcgccgcc atgttgga   998

<210> 8469
<211> 2428
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1844)...(1405)
<223> similar to gi3875272 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8469
tttatttcca tacatgttta ttatatacac actgcctata gattctgttt aaataatctc   60
taagaaaaaa atcaaacttt tctgagcagg tgattaagct gaaacaacc aattaaaacc   120

```
accactttttt aagtgacctt tggtcacaaa tgtcaaaatg tttccacacc ctttccaccc        180
tcaaacaaga gacaaactgt ttttgataaa ctctagtatt tattaaatta taaattttgt        240
aatcaaaaag aaaaatgcag accaaaaaaa cctcaaacta taagactaga cagcaaagcc        300
tatgggaaca ccatgaagtg tgttacaaac attctgaaac ataagttact ggctgttttc        360
atttccattt caataacttt actataaaat agttgttatt catctatttt gaaatcccaa        420
attcacatct attcatacat taaattatgt ttcctgttca taatatcaaa catctcacag        480
gtgccaaatt ttagtaatgg tcttatgcca atccatgcag aaaaataaga cacaatgcag        540
gagtcagatg aggaccatta atgcacagat aatacaaaca cactggccaa aagaactaca        600
gaagttttta aaaagtataa agtaaacaga cctcaagaaa actgggttat tactaaacag        660
ctctcaacta ttaacaccca agttccttac attaaataaa tttctcaaca gagacatgtt        720
agacatttta attatgagtc tatccttccc ataccccttc ccacccaac tcccaaaatg        780
cactactagg gatgagtata atgttatgtg ggcagaaatt tacaggtaac cctttcaacc        840
ttgagcatgg agctgaagac attttattt aaacttcagt tactgtgcac tgtccatcag        900
gccttctaga tctgacactg acactcactg ttccaccccc tgctactgat cgatcagttc        960
ccgatcgatc tgatcgatcg ggtactgtct ggtttgcatt agaaaccaaa agtctctgtt       1020
gggtcaagga gtgctgtgca acaactgcag atacatcctc actatcacta ctggcatctg       1080
attcagtttc ttcaatggag gtgtctggtg ctggtaccct gcctgaagat ggtgattcat       1140
gatcttcttc tccttctccc ctatgactcc tttcagctgt gttgtctcca ctgagttgta       1200
aatgagcaaa agagtcttcc agagaagtgc ttgcatcagg ggatggtgtt gcagggcttg       1260
ttaactgacc atctactgat gttaggggcc ttacagaaga cactaggggc tgaacagaag       1320
ctccactctg tgctgataca ctgtccgctc cgtcagcaga gctctctctt gctaggttta       1380
cggtattagc atcacagtct agcctaagtc cagctactcc cttctttggt atatctatta       1440
tatctcgctt aatcttcctg cgacgtccat gttcatttct cctatattga accatgtttt       1500
caagatcagc gacatacaga aagccagcaa ttaacatttc agtgttcttt ttacctttgg       1560
aaaaagcatc ttccagctct ctactagtgc gctcatcgta ctgccaccac ccatttcttc       1620
cttcataata ccatgcatat tcaccatttc ctctacttgc tgccttgagt tcttctggtg       1680
acaacaaggt tggcttgtca aggaaatcct cgggaatttc ttgtcgacaa agagcacacc       1740
gctttccaag ccatgaagct cctttacac atagatagca gaaaacgtgc ttacagggca       1800
gactgactgg atgaacacat gtttgcagac aaatggcaca ttcagggacg gttaaagaag       1860
gtgcagtatt agaacaggac tcgttcgctt tcctgtttgt aggaagcatg tttattgaat       1920
gatcaatttc accacagcca gccatcctgc aaatcagagt ttacaaagct caggtaaaaa       1980
tggacaaaaa aagtgctttg taatcactaa agcttcataa aggtaacaat catataagac       2040
caaaggagaa aataacatga atattgaaga tcccatttct attacagatc ccacagatgc       2100
ctgccacaaa aataaagcat tttcttcacc agcagtcagc cagcttacag tattttctct       2160
tccactgctg gttcattctt tgtgcggccc ctgacccgc cgccgcccct ctcaggcccc       2220
gagcgcaagg ccgacccgga gtacgttgcg gctggaggtg acaccgcgag ctatgcctcc       2280
tctccccgag tgaggatcct agagtggccg gcgttcaccc tgctccccg agagggcctc       2340
gctccgactc ccacctctcc ggccacagct gcggccacct cgcagtcttt tctctctggc       2400
ctcggagccc gcagctgccg ggaacgcg                                         2428
```

```
<400> 8470
tttttttttt ttaatattga aaaaatacaa ttaaatttt attaaaaata catactcctt          60
acgcgatctt tgtgtacatt ttgtgtgaaa aggaaaaaaa aataggaaag gcattaagac         120
tacctaatta tttatactgt atttggtaga agcgtgtttc agtcaaactt taacgaaaaa         180
taagttattc tgttttcatt tgctcccgga cgtcagaagg cagagtttca aacagagcat         240
cttctacaac taaaccagct cgcttcagag cccgacagtc acccagttca ggagggagga         300
tttcaaagtg attacctttt ccatctaagt aggaaagaaa tagcaaattt ccaattttcg         360
gtgaaagtac agataggctg ttttttccaa tcttcagagt tttaagtttc ttgcagaagt         420
agagttcatc tggaaggctt tccactttgt tacatgtgat ggaaaaatac tgtaaacttt         480
gtagaactcc aatttcaggg gggataaatc gaatgtcatt gtacgataag tccaagtatc         540
ggatcttgtt gcataggaag aggtgggaag gcagcacctc tattttattg tgactaaagg         600
acaggcgttc caggctggtg agtttcttta tatgctctgg gatgtaggtg atgctgttat         660
gccacagttt tagcactgtc aactttctta agtgctgaaa gctaacgatt tcttctatag         720
atttcagatt gttttccttc aggtccaatt cctggaggct gagtaggctg aacacagcat         780
gaggaatacg ctccaggtca cagtggacca gctccagctc tgtcagattg gtcatcttct         840
ttaagttgtt gagcatcacc agcttggtgc catcattatg tatgcacatc ttctggagat         900
ggctggaaac atcaaccact gcctgaggga ttttggaaac gttgcttttg atagagagaa         960
ttttaaggct tttgagatcc cgcagagact caagggtgac atttctggaa atatcatgac        1020
ttagagagcc aactaggtac agctcttcca gatttcggag cccatacatc caggggggga        1080
gttccctcat gtcatcaaac ttgacgctca agaccttgag gttttccttc aggaaagaga        1140
gcgccgcact gtggattttg acagaacact ggtgcagaga gagctcttga agattgtcta        1200
gctgtgcaat ggtggctggt atcattacgt tcttaatgat ttcaagtttt agagattgca        1260
actctgtgat ttcaaaaaca gtgtctggaa ggccagagag catgataaga ggcaattcca        1320
gtcgattatg ggcatttgtc tgtagcttct gcctcagttt atcaggagtc cattcgttat        1380
ttaagttcag ctgctttaat ttgtttcac tgacttcaga caggaacact gcaaatctct        1440
tggaatagag agggtcatac tgatctatca tatgaagcat aaaagcaaag tcatttttca        1500
catctggaat atcatcaaat ccagtctcct gacggacata ctcaaaggaa tattcccgta        1560
gagaacggta gaacagccag tataaggtat aaaggcacgt caatccatag atactaacaa        1620
agcacagata gcaaaaggac agttttgaga acaagtgtgc catggtatga ttgcaagaaa        1680
agtttttata tccagtcatg tcctgaatgt ccacattaca gtccactgta aactggacct        1740
tggaaaccag agcactatta tatgcaatga tgattaggaa tttgataact ttaagtacag        1800
tctggcgaac atacatggca tatagaatat caccttcttc cacatgcagc ctgaacttct        1860
tcaccttctc aaataaggcc ttag                                              1884


<210> 8471
<211> 2718
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (668)...(1199)
<223> similar to gi4324682 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 8471
tttcgtgttc tgcgcgtact ggctgtacgg agcaggagca agaggtcgcc gccagcctcc          60
gccgccgagc ctcgttcgtg tccccgcccc tcgctcctgc agctactgct cagaaacgct         120
ggggcgccca ccctggcaga ctaacgaagc agctcccttc ccaccccaac tgcaggtcta         180
```

```
attttggacg ctttgcctgc catttcttcc aggttgaggg agccgcagag gcggaggctc   240
gcgtattcct gcagtcagca cccacgtcgc ccccggacgc tcggtgctca ggcccttcgc   300
gagcgggggct ctccgtctgc ggtcccttgt gaaggctctg ggcggctgca gaggccggcc   360
gtccggtttg gctcacctct cccaggaaac ttcacactgg agagccaaaa ggagtggaag   420
agcctgtctt ggagatttc ctggggaaat cctgaggtca ttcattatga agtgtaccgc   480
gcgggagtgg ctcagagtaa ccacagtgct gttcatggct agagcaattc cagccatggt   540
ggttcccaat gccactttat tggagaaact tttggaaaaa tacatggatg aggatggtga   600
gtggtggata gccaaacaac gagggaaaag ggccatcaca gacaatgaca tgcagagtat   660
tttggacctt cataataaat tacgaagtca ggtgtatcca acagcctcta atatggagta   720
tatgacatgg gatgtagagc tggaaagatc tgcagaatcc tgggctgaaa gttgcttgtg   780
ggaacatgga cctgcaagct tgcttccatc aattggacag aatttgggag cacactgggg   840
aagatatagg cccccgacgt ttcatgtaca atcgtggtat gatgaagtga aagactttag   900
ctacccatat gaacatgaat gcaacccata ttgtccattc aggtgttctg gccctgtatg   960
tacacattat acacaggtcg tgtgggcaac tagtaacaga atcggttgtg ccattaattt  1020
gtgtcataac atgaacatct gggggcagat atggcccaaa gctgtctacc tggtgtgcaa  1080
ttactcccca aagggaaact ggtgggggcca tgcccttac aaacatgggc ggccctgttc  1140
tgcttgccca cctagttttg gagggggctg tagagaaaat ctgtgctaca aagaagggtc  1200
agacaggtat tatcccctc gagaagagga aacaaatgaa atagaacgac agcagtcaca  1260
agtccatgac acccatgtcc ggacaagatc agatgatagt agcagaaatg aagtcataag  1320
cgcacagcaa atgtcccaaa ttgtttcttg tgaagtaaga ttaagagatc agtgcaaagg  1380
aacaacctgc aataggtacg aatgtcctgc tggctgtttg gatagtaaag ctaaagttat  1440
tggcagtgta cattatgaaa tgcaatccag catctgtaga gctgcaattc attatggtat  1500
aatagacaat gatggtggct gggtagatat cactagacaa ggaagaaagc attatttcat  1560
caagtccaat agaaatggta ttcaaacaat tggcaaatat cagtctgcta attccttcac  1620
agtctctaaa gtaacagttc aggctgtgac ttgtgaaaca actgtggaac agctctgtcc  1680
atttcataag cctgcttcac attgcccaag agtatactgt cctcgtaaac tgtatgcaag  1740
caaatccaca ttatgctcgt gtaattggaa ctcgagttta ttctgatctg tccagtatct  1800
gcagagcagc agtacatgct ggagtggttc gaaatcacgg tggttatgtt gatgtaatgc  1860
ctgtggacaa aagaaagacc tacattgctt ctttttcagaa tggaatcttc tcagaaagtt  1920
tacagaatcc tccaggagga aaggcattca gagtgtttgc tgttgtgtga aactgaatac  1980
ttggaagagg accataaaga ctattccaaa tgcaatattt ctgaattttg tataaaactg  2040
taacattact gtacagagta catcaactat tttcagccca aaaaggtgcc aaatgcatat  2100
aaatcttgat aaacaaagtc tataaaataa aacatgggac attagctttg ggaaaagtaa  2160
tgaaaatata atggtttag aaatcctgtg ttaaatattg ctatattttc ttagcagtta  2220
tttctacagt taattacata gtcatgattg ttctacgttt catatattat atggtgcttt  2280
gtatatgcca ctaataaaat gaatctaaac attgaatgtg aatggccctc agaaaatcat  2340
ctagtgcatt taaaaataat cgactctaaa actgaaagaa accttatcac atttttcccca  2400
gttcaatgct atgccattac caactccaaa taatctcaaa tgaattttcc acttaataac  2460
tgtaaagttt ttttctgtta atttaggcat atagaatatt aaattctgat attgcacttc  2520
ttatttttata taaaataatc cttttaatatc caaatgaatc tgttaaaatg tttgattcct  2580
tgggaatggc cttaaaaata aatgtaataa agtcagagtg gtggtatgaa aacattccta  2640
gtgatcatgt agtaaatgta gggttaagca tggacagcca gagctttcta tgtacctcgg  2700
ccgcgaccac gctaaggg                                                2718
```

<400> 8472

```
gatatttaaa ctacataaac ttgaagtctg agaataagct cagtgggaaa gaggaccttt      60
gggaaaaatt acagtatttg tggaagtcta ctctgaatct cccagaagat cttttgaggg     120
ttcctgatga gtcactcttc ttaaatagtg gtggagattc cttaaagtcc atccggctcc     180
tcagtgagat tgaaaaactt gttggtacat cagtacctgg gcttctggaa attattctca     240
gcagttccat tttagagatt tataatcaca tccttcaaac agtggttcca gatgaagatg     300
tgacattcag gaagagttgt gccacaaaaa ggaaactcag caacattaat caagaggaag     360
ccagtggaac atctttacat cagaaagcca tcatgacttt cacttgccac aatgagatta     420
atgctttgt tgtactgagc agagggagtc aaattttgtc tctgaattcc actaggtttt      480
taacaaagtt aggacattgc tcttcagcct gtccttctga ctcagtttca cagaccaaca     540
ttcaaaattt gaaaggctta aattctccag ttcttattgg gaagtcaaaa gatccatcct     600
gtgttgcaaa agtttctgaa gaggggaaac ctgcgatagg gactcagaaa atggagttac     660
atgtgaggtg gaggtcagac acaggcaaat gtgtagatgc ttcaccgctg gttgtaatac     720
ccactttga taagtcatct acaactgtgt acattggttc ccattctcat agaatgaagg      780
cagttgactt ttactctggg aaggtaaaat gggaacagat tttgggagat cgaattgaat     840
cctcagcatg tgtatctaag tgtggaaact ttattgtggt gggctgttat aatggattag     900
tttatgttct gaaaagtaat agtggagaaa aatactggat gtttactact gaagatgctg     960
tcaaaagctc ggcaaccatg gatccaacca caggactcat ttacattgga tctcatgacc    1020
agcacgcata tgctttagat atttatagaa agaagtgtgt ttggaagtca aaatgtggag    1080
gaactgtctt ttcctctccg tgtttgaacc tgattccaca tcatttgtat tttgctacat    1140
tgggaggact tttactggct gtaaatcctg ctactgggaa cgttatttgg aaacattcct    1200
gtggaaaacc actcttctct tccccacaat gttgctcaca gtatatttgt attggctgtg    1260
tagatgggaa tttactctgc tttactcact ttggagaaca ggtttggcag ttctctacca    1320
gtggaccaat cttttcatcc ccgtgtacct caccatcaga gcaaaaaata tttttggtt    1380
cccatgattg ctttatctac tgttgtaaca tgaaaggtca cctgcagtgg aaatttgaaa    1440
ctacttcaag ggtctatgca acaccgtttg ctttccataa ctacaatggc agcaatgaaa    1500
tgttgctggc agcagcatct actgatggga aagtgtggat cttggaatct cagagtggac    1560
aattgcaaag tgtttatgaa cttcctggag aagtcttctc ttctcctgtg gtcctggaat    1620
caatgctcat tattgggtgt agagataatt atgtttattg tctggattta ttgggtggca    1680
atcaaaaata atcaaataca gtccttattt gtataacaaa tgtgagatat ttgaaaatat    1740
tttaccatta tacatcatgt ggacttattt tatattaaag aagattatat tttggctaag    1800
aaaaaaaaaa                                                          1810
```

<210> 8473
<211> 1521
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (978)...(543)
<223> similar to gi179304 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8473

```
ttcagtttct caacttaact ttatttcaat aatttaatag aaaattaaaa taataaataa         60
tatgaaacag actgataacg ctgagctggg caggcccagg ccagtctagt acaaagttaa        120
ggaggtaggg aggatggtgg ggaggagggg gcggactacc ctgcaggacg cgggaggctg        180
ctcagactgt ggtgatgtca ggaagggccg cacactttgg catggacgat gcactaaaaa        240
aagagaaagg gaattctaaa tccctcttaa ccagctggag agggaaggac gcagggccag        300
ggtgggggaca agtgttggct tcggaaggct ctgagtggtg gggccggaat gtaccatgtt       360
gttagcaatg gggttgggat gggtggagaa gggccaaagt gagctgtgcc atgcaatgaa        420
gggacagagg aggacccacg acttggccag cagagccggg gcaaaagtct gggaagggga        480
gggaaagaga gagggactgg gtcccaaggc aagaggaagg cagggggagg gtcagaggtc        540
agtccttgaa gacaatttgt tggccatgag gacgctcgtc gtgggtgata tggcgccgga        600
catggatcct gcggacacgg tgctctcggt tctcttcatc ctccccgcgg ccagccccac        660
cagctccagc tgctcccccct gtggcctcca ggagggctgg gtctgggccc cggggagtct        720
cgtagatgag gatgttcagg gtctcctcga agatccgggc ctctggaaat tccaccttgg        780
tctgcttctt ctccgtagca tagacaatgg aggtgcagca cacctcggcg attttgcggc        840
cctgcccgta gaaagaccag cagcagatct cgtcccccag gacatccttg aggaagagta        900
gccgcccgtg gaagcgcagg gccagcttgt cgaacagctc gatgttctta agtaggttgt        960
catctgaagt gctggggacc aggggaccag gaggcctcag cgcagttggc acccctccct       1020
ctgtacccccc agaagacggg cctggatgca ttcccagtcc tctgctcctg cccagggctt      1080
tggtgctcaa cagagagcct cctccacccc tggggccagg ctaaacgggt ctcagaaggg       1140
aagccacatg cgctgagcaa atcccagcac agcacagcac agcagctcca gtgagggacc       1200
gggagccagg ccacctcccc gggggtcctg ggtgtcccca tttttaact gggtgacact        1260
aggcaagtta cttcacctct tggtgtcccg acctcctcat ctgtaaaatg gagctcacaa       1320
cagtactgac ctcaagggggg aggactctgc cagttcctag aatgagagca cttgggatag      1380
gctcgccact atcactttgt cctcacccaa acccatttac tgatgactga gctgaagctg       1440
agaagcagaa aggacctgcc tagagcgtca ggggtaagag gcgaagccga atctgcgagc       1500
aggcacagat gttcttgtag g                                                 1521


        <210> 8474
        <211> 1655
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1182)...(1499)
        <223> similar to gi5912023 in the genepept database release 114,
        Run with FASTXY 3.3t00, default parameters




        <400> 8474
ccagtgcggt ggaattcgtc tacactgata gattccatct tattttagga atcagcgtgg         60
aatttctatg ttctttacgg tcagatgcaa ccatggaaag cataactgct tgcttacatg        120
cattgcaagc acttctagat gtaccttggc ccagatcaaa aattggcagt gatcaggact        180
cgggtataga attgctgaat gttctacatc gagtaatttt aaccagagaa tcaccttcca        240
ttcagttggc ttcacttgaa gtggtaaggc agattatctg tgctgctcaa gaacatgtga        300
aggaaaaaag acgaagtgca gaagttgatg atggggctgc tgaaaaggaa actctgccag        360
agtttggaga gggaaaggac accggaggac ttgtgcctgg aaagtctttg gtctttgcaa        420
cactggaatt gtgtgtatgc attctagtta gacagctccc agaattaaac cctaaattga        480
caggtagccc aggagtaaaa gctacgaagc cacagatact attagaagat ggaagtagat        540
tggtttcagc tgcattggtt atcctttccg aacttcctgc agtgtgctct cctgaaggaa        600
gcatctcaat tctccctact atattgtacc tcacaatcgg ggtcctcaga gagactgctg        660
```

7056

```
tgaagttacc tgggggccag ttatcttcga cagttgcagc ttccctacag gctctaaaag      720
gaatattatc ttctcccatg gcccgggcag aaaagagccg tactgcttgg actgaccttc      780
tccgaagtgc cttaacaaca attcttgact gttgggatcc agttgatgaa acacaccaag      840
aacttgatga agtcagtcta cttactgcta tcacagtgtt tattttgtct accagtccag      900
aagtaactac catcccatgc cttcagaagc gctgtattga taaatttaaa gctactcttg      960
agataaaaga tcctgtggta caaatcaaga cctaccagct cctacattcc atctttcagt     1020
atccaaatcc agctgtttcc tacccataca tttactcttt agcatcctgt atcatggaaa     1080
aactgcagga aatagacaag agaaaacctg aaaacactgc tgagcttgag atcttccaag     1140
aaggcataaa ggtcttagaa acactggtta ctgttgctga agaacaccat cgcgctcagc     1200
tggtggcctg tcttttgccc atcctcattt ccttcctttt ggatgaaaat tctctgggat     1260
cagcaacttc cataatgaga aatttacatg actttgctct acaaaatctc atgcaaattg     1320
gacctcagta ttcatctgtt tttaaaagtt tagtggcttc ttctccagcc ctaaaagccc     1380
gccttgaggc tgctataaag ggcaatcagg aaagtgtcaa agtcaagata ccaacatcta     1440
aatatactaa gagtcctgga aaaaactcaa gcatccaatt aaagaccagt ttcctctgat     1500
ttttttttg gaatagtaag caccttaata taataaatac ttgatcattg cctttggtga     1560
caaaagggac attgtaaaca caagtgccct tagaggtcta gttgattgtt ttaccttaaa     1620
tagctgtgac tcttcaaagt aacagcatac ttaaa                                1655
```


<210> 8475
<211> 2323
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(2324)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (124)...(689)
<223> similar to gi5931612 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8475
```
ggaattcctc acctctcgtc cagggacatg acgggcacgc caggcgccgt tgccacccgg       60
gatggcgagg cccccgagcg ctccccgccc tgcagtccga gctacgacct cacgggcaag      120
gtgatgcttc tgggagacac aggcgtcggc aaaacatgtt tcctgatcca attcaaagac      180
ggggccttcc tgtccggaac cttcatagcc accgtcggca tagacttcag gaacaaggtg      240
gtgactgtgg atggcgtgag agtgaagctg cagatctggg acaccgctgg gcaggaacgg      300
ttccgaagcg tcacccatgc ttattacaga gatgctcagg ccttgcttct gctgtatgac      360
atcaccaaca aatcttcttt cgacaacatc agggcctggc tcactgagat tcatgagtat      420
gcccagaggg acgtggtgat catgctgcta ggcaacaagg cggatatgag cagcgaaaga      480
gtgatccgtt ccgaagacgg agagaccttg gccagggagt acggtgttcc cttcctggag      540
accagcgcca agactggcat gaatgtggag ttagcctttc tggccatcgc caaggaactg      600
aaataccggg ccgggcatca ggcggatgag cccagcttcc agatccgaga ctatgtagag      660
tcccagaaga agcgctccag ctgctgctcc ttcatgtgaa tcccagggg cagagaggag      720
gctctggagg cacacaggat gcagccttcc ccctcccagg cctggcttat tccaagaggc      780
tgagccaatg gggagaaaga tggaggactc actgcacagc cgcttcctag cagggagcta      840
tactccaact cctacttgag ttcctgcggt ctccccgcat ccacagggag ggtaaaacac      900
```

7057

```
ttagcttttta ttttaatagt acataattta ataccaaaaa aggcgcctgg atccccaaaa    960
aaccgaggct gggagctagt ggcccttttg ctttctagga cttggggggc cggccctccc   1020
tcctaagcat aacaaaggtg gtgttgctcc agctcagccc caggggacac agatgcactt   1080
tgggggtgag ggcaggtaat gactccatcg caccctcagt tcagctggac agaggctcag   1140
gtgaccccag ccttcactgt ctcccgctct ccaggagctt atcttcgccc catctcccaa   1200
ataagtgggc ccttgtgctg tgaggaagac caaagcctca gggaagataa gagatatgga   1260
gatgggaggg ggaggacaag gggcagagag tagggtctag ctggctatct ctggccttac   1320
taacaccccc ctggaggcat gccccttttc tccagcacac aagcacattg gggcacctgg   1380
aaatattggt tccaggctcc tgttctctgg acttcagatc ctgggggagc ccctcccccc   1440
cctgaatccc tggcttagct accttcctgc ctgtgcacct aaaaacctca ggtcagaact   1500
aggaaaagag ttttgttttt attttttttga aatggagtct cgttctgtcg cccaggctga   1560
ggtgcagtag tgcaatctcc gctcactaca acctccactc cctggggctc aagcgatcct   1620
cccacctcag cccccgaagt agctgggact ataggtgtgt accatcacac ctggctaatt   1680
tttgtatttt ttgtagacac agggtttcgc catgttgccc aggctggtct tgaattcctg   1740
agctcaagca acctgccggc ctcggcctcc caaagtactg ggattacacg cagaaggcac   1800
catgcccagg ctagatgtgt cttatcccaa tcctttggca ggcatgcagc tccacaggcg   1860
atttcttcaa gcagctgaag tgtttagccc tcctgggtta agagccagat aaggagaaat   1920
ccctttccta ggtttggaat gtgttgtgaa aaaaaagaga aatccctggc tcctggagct   1980
ggtgggagac aagattaagc aaacctcccc tgacatgtat ccctttgacc ccaagctctg   2040
cctcctccct gaccacccat gcccttttcct ttaacttctc aaacagatac cagggcctaa   2100
actgctttac ctcccctcct actgagtcag gttaggtggt ggggaggttc aacccatttc   2160
cgagtttaaa cccaatgcaa tattgagtaa aacaaagttc atgtggggta ttgtctgggg   2220
tagagagagg ggtagcaagt tcatgtgtcc tccttggtca catatctccc aaagctctga   2280
tccctnccat gggaagtgga caggaaacat gaggtcatga cct                      2323
```

<210> 8476
<211> 2794
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (31)...(1862)
<223> similar to gi932 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8476
```
cagtgcgcgg aattcggcgg cggcagtggc ggcggcggtg gcagtggcgg cggcggtagc     60
ggcggtggac gtggtgccgg aggggaagaa aataaagaaa acgaacgccc ttcggccgga    120
tcgaaggcaa acaaagaatt tggggatagc ctgagtttgg agattcttca gattattaag    180
gaatcccagc agcagcatgg tttacggcat ggagattttc agaggtacag gggctactgt    240
tcccgtagac aaagacgtct tcgaaaaaca ctcaacttca agatgggtaa cagacacaaa    300
ttcacaggga agaaagtgac tgaagagctt ctgaccgata atagatactt gcttctggtt    360
ctgatggatg ctgaaagagc ctggagctac gccatgcagc tgaaacagga agccaacact    420
gaaccccgaa aacggtttca cttgttatct cgcctacgca aagccgtgaa gcatgcagag    480
gaattggaac gcttgtgtga gagcaatcgc gtggatgcca agaccaaatt agaggctcag    540
gcttacacag cttacctctc aggaatgcta cgttttgaac atcaagaatg gaaagctgcc    600
attgaggctt ttaacaaatg caaaactatc tatgagaagc tagccagtgc tttcacagag    660
gagcaggctg tgctgtataa ccaacgtgtg gaagagattt cacccaacat ccgctattgt    720
gcatataata ttggggacca gtcagccatc aatgaactca tgcagatgag attgaggtct    780
```

7058

```
ggggggcactg agggtctctt ggctgaaaaa ttggaggctt tgatcactca gactcgagcc     840
aaacaggcag ctaccatgag tgaagtggag tggagaggga gaacggttcc agtgaagatt     900
gacaaagtgc gcattttctt attaggactg gctgataacg aagcagctat tgtccaggct     960
gaaagcgaag aaactaagga gcgcctgttt gaatcaatgc tcagcgagtg tcgggacgcc    1020
atccaggtgg ttcgggagga gctcaagcca gatcagaaac agagagatta tatccttgaa    1080
ggagagccag ggaaggtgtc taatcttcaa tacttgcata gctacctgac ttacatcaag    1140
ctatcaacgg caatcaagcg taatgagaac atggccaaag gtctgcagag ggctctgctg    1200
cagcagcagc cagaggatga cagcaagcgc tcaccccggc cccaggacct gatccgactc    1260
tatgacatca tcttacagaa tctggtggaa ttgctccagc ttcctggttt agaggaagac    1320
aaagccttcc agaaagagat aggcctcaag actctggtgt tcaaagctta caggtgtttt    1380
ttcattgctc agtcctatgt gctggtgaag aagtggagcg aagcccttgt cctgtatgac    1440
agagtcctga aatatgcaaa tgaagtaaat tctgatgctg gcgccttcaa gaacagccta    1500
aaggacctgc ctgatgtgca agagctcatc actcaagtgc ggtcagagaa gtgctccctg    1560
caggccgcag ccatccttga tgcaaacgac gctcatcaaa cagagacctc ctcctcccaa    1620
gtcaaggaca ataagcctct ggttgaacgg tttgagacat tctgcctgga cccttccctt    1680
gtcaccaagc aagccaacct tgtgcacttc ccaccaggct tccagcccat tccctgcaag    1740
cctttgttct ttgacctggc cctcaaccat gtggctttcc caccccttga ggacaagttg    1800
gaacagaaga ccaagagtgg cctcactgga tacatcaagg gcatctttgg attcaggagc    1860
taaccaggct cttcctcggg ggcggggggag attctgactc ttaatctgta ttgtgagaaa    1920
atcccagcaa gttccatgat attaaatcca ggtctgcatt ggcccggggc aagagtttaa    1980
catcttcggc cctgcattcc tacatcttgt gtctgtacac gttcttaagc agcgtgtcag    2040
gagagcaccc tgttgtcttc tggtaaatgt gtgcagggtc atcctgtctc ctgtacctcc    2100
tgggaagggg gccgctgctg tctggtgccc tgtgagctgt gattgattgc ctttggtcag    2160
taatgcgttc aggagtccac accaggcaca gatggggcct tgaaacgctt tgtcatgctt    2220
cttcagtacc atggatttga aatgaactca tccttgctgt gagcatccag gagcccttga    2280
gaagtttatc tatgactatg aaactggcaa cgtcaccca gaattacggt cagccttatt     2340
cccccttcacc tcccagtgaa cgctaagaag tttcagacaa gcagagagct ctatttttag    2400
aagaaatatg ttacactcag aaatgatgaa accaaatctt atattaaaag gcaaagatga    2460
cggagactgt gcccatttct tatatgccct tccctcatgg tccagtcccc gttctctcct    2520
tcgggagcct tagttgcgtg aagccggtga ggtcaagtgt aacctgactt accggcaact    2580
aggtgaggct gatgccagat acacatgtta gaggcactat ttttcaggac ttcccaatgt    2640
gtaattttta aatgccatta tattttaatc cccttcgtta ccccccgttt ttccttagtc    2700
atcccttttc acttctatta taacatcaat aatagaagtc acaaatcaa tgtaagaaag     2760
caaggaataa aagtgattta aacatgaaaa aaaa                                2794
```


<210> 8477
<211> 2318
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (89)...(1642)
<223> similar to gi178390 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8477
```
attaatcccc cctccttccc ggtcggctca gtggccctga gaccctagct ctgctctcgg      60
tccgctcgct gtccgctagc ccgctgcgat gttgcgcgct gccgcccgct tcgggccccg     120
cctgggccgc cgcctcttgt cagccgccgc cacccaggcc gtgcctgccc ccaaccagca     180
```

```
gcccgaggtc ttctgcaacc agattttcat aaacaatgaa tggcacgatg ccgtcagcag      240
gaaaacattc cccaccgtca atccgtccac tggagaggtc atctgtcagg tagctgaagg      300
ggacaaggaa gatgtggaca aggcagtgaa ggccgcccgg gccgccttcc agctgggctc      360
accttggcgc cgcatggacg catcacacag gggccggctg ctgaaccgcc tggccgatct      420
gatcgagcgg gaccggacct acctggcggc cttggagacc ctggacaatg gcaagcccta      480
tgtcatctcc tacctggtgg atttggacat ggtcctcaaa tgtctccggt attatgccgg      540
ctgggctgat aagtaccacg ggaaaaccat ccccattgac ggagacttct tcagctacac      600
acgccatgaa cctgtggggg tgtgcgggca gatcattccg tggaatttcc cgctcctgat      660
gcaagcatgg aagctgggcc cagccttggc aactggaaac gtggttgtga tgaaggtagc      720
tgagcagaca cccctcaccg ccctctatgt ggccaacctg atcaaggagg ctggctttcc      780
ccctggtgtg gtcaacattg tgcctggatt tggccccacg gctggggccg ccattgcctc      840
ccatgaggat gtggacaaag tggcattcac aggctccact gagattggcc gcgtaatcca      900
ggttgctgct gggagcagca acctcaagag agtgaccttg gagctggggg ggaagagccc      960
caacatcatc atgtcagatg ccgatatgga ttgggccgtg gaacaggccc acttcgccct     1020
gttcttcaac cagggccagt gctgctgtgc cggctcccgg accttcgtgc aggaggacat     1080
ctatgatgag tttgtggagc ggagcgttgc ccgggccaag tctcgggtgg tcgggaaccc     1140
ctttgatagc aagaccgagc aggggccgca ggtggatgaa actcagttta agaagatcct     1200
cggctacatc aacacgggga agcaagaggg ggcgaagctg ctgtgtggtg ggggcattgc     1260
tgctgaccgt ggttacttca tccagcccac tgtgtttgga gatgtgcagg atggcatgac     1320
catcgccaag gaggagatct tcgggccagt gatgcagatc ctgaagttca gaccatagа     1380
ggaggttgtt gggagagcca acaattccac gtacgggctg ccgcagctg tcttcacaaa     1440
ggatttggac aaggccaatt acctgtccca ggccctccag gcgggcactg tgtgggtcaa     1500
ctgctatgat gtgtttggag cccagtcacc ctttggtggc tacaagatgt cggggagtgg     1560
ccgggagttg ggcgagtacg ggctgcaggc atacactgaa gtgaaaactg tcacagtcaa     1620
agtgcctcag aagaactcat aagaatcatg caagcttcct ccctcagcca ttgatggaaa     1680
gttcagcaag atcagcaaca aaaccaagaa aaatgatcct tgcgtgctga atatctgaaa     1740
agagaaattt ttcctacaaa atctcttggg tcaagaaagt tctagaattt gaattgataa     1800
acatggtggg ttggctgagg gtaagagtat atgaggaacc ttttaaacga caacaatact     1860
gctagctttc aggatgattt ttaaaaaata gattcaaatg tgttatcctc tctctgaaac     1920
gcttcctata actcgagttt ataggggaag aaaaagctat tgtttacaat tatatcacca     1980
ttaaggcaac tgctacaccc tgctttgtat tctgggctaa gattcattaa aaactagctg     2040
ctcttaactt actgggtaac tctttgtcca tctcaataac caaaggaagg tgggcatggt     2100
ggctcgcgcc tgtggtccca tagtgctggg attgcaggcg tgagccaccg tgcccggcca     2160
actgtaggga ccagccccac agggtcggtg ggtttttctc cccatgtgcg gagacgagag     2220
attgtagaaa tatagacaca agacaaagag gtaaaagaaa agacagctgg gcttggggga     2280
ccactaccac caagaggcgg agaccggtag aggccccg                            2318
```

<210> 8478
<211> 2795
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (353)...(2380)
<223> similar to gi3255952 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8478
```
tggtgcaact cctaagacaa agcacatgac atgccattgg ttggttgctg ttgttgtttt       60
```

```
tctttcccta ggatgtgctt ttttgtctac ttctttcact ggatccttaa cagcaaattg    120
tggttcggat tgctctgtct tgtatcacaa tcttaatgtt tacacacctt tcaaagtgtc    180
aattttagaa tcttgtgctt agcccttggc tcattcatac ctccttggtc ccttggggtc    240
ggagtgtttg gaatatggca gggctgatgg gcattgagtc cctgcacagt ccacccacaa    300
gcccctgggg cctaagggat aaatcctcgc tctcctctgt ctcctgggtt aggtgatctt    360
tgacgagact ctacagaagt gcctggactc ctacctgcgc tatgtccccc gcaaattcga    420
cgagggggtg gcctcagccc ctgaggttgt tgacatgcag aagcgcctcc atcgaagtgt    480
ttttctcacc ttcctccgca tgtccactca caaggaatcc aaagatcact tcatttcccc    540
ttctgcgttt ggagaaatcc tctacaataa cttcctcttt gacattccaa agatcctgga    600
cctctgcgtg ctctttggaa aaggcaactc accactgctc cagaagatga taggaaacat    660
ctttacacag cagccaagtt actacagtga cctggatgaa accctgccta ccatccttca    720
ggtcttcagc aatatcctcc agcactgtgg tttgcaaggg gacggggcca ataccacacc    780
ccagaagctt gaggagaggg gccgattgac ccccagtgac atgcctctcc tggaattaaa    840
ggacattgtt ctctaccttt gtgatacctg caccacactt tgggcctttc tggatatctt    900
ccctttggct tgccagacct tccagaagca cgactttgt tacagactag cttccttcta    960
cgaagcagca attcccgaaa tggagtctgc aattaagaag aggaggcttg aagatagcaa   1020
gcttcttggt gacctgtggc agaggctctc ccattccagg aagaagctaa tggagatttt   1080
ccacatcatc ctgaaccaga tctgcctcct tcccatccta gaaagcagct gtgacaacat   1140
tcagggcttc atcgaagagt tccttcagat cttcagctcc ttgctgcagg agaagaggtt   1200
cctccgggac tatgatgcac tcttccccgt ggccgaagac atcagcttgc tgcagcaggc   1260
ctcatcagtc ttggacgaga cgcggactgc ctacatcctc caggcagtcg agagtgcatg   1320
ggaaggggtg gacagacgga aagccacaga tgctaaagac ccatcggtga ttgaggagcc   1380
taatggggga cctaacgggg tcacggtgac agcagaggca gtcagtcaag catcatcaca   1440
tccggagaac tcggaggaag aggagtgcat gggagcagcc gcggctgtgg gccctgccat   1500
gtgtgggggtg gaactggact ctctcatctc ccaagtgaag gacctgctgc cagaccttgg   1560
tgagggcttc atcctggcct gcctggagta ctaccactac gacccagagc aggtgatcaa   1620
caatatcctg gaggagcggc tggcccccac cctcagccag ctggaccgca acctagacag   1680
agaaatgaaa ccagacccta cacccctgct gacgtctcgc cacaacgtct tccagaatga   1740
cgagtttgat gtgttcagca gggactcagt agacctgagc cgggtgcaca agggcaagag   1800
caccaggaag gaggaaaaca cgcggagttt gctgaacgac aagcgtgcag tggcggcaca   1860
gcggcagcgc tacgagcagt acagcgtggt ggtggaggag gtgccactgc agccaggcga   1920
gagcctgccc taccacagtg tctactacga ggatgagtac gatgacacat acgatggcaa   1980
ccaggtgggc gccaatgatg cagactctga tgacgagctc atcagccgca ggccattcac   2040
catccctcag gtgctgagaa ccaaagtgcc tagagaaggg caggaggagg atgacgacga   2100
tgaggaagac gatgctgacg aggaggctcc caagcccgac catttttgttc aggaccctgc   2160
agtgctgaga gagaaggcag aagccaggcg catggccttt ctcgccaaga aagggtaccg   2220
gcatgacagc tcaacagcag tggccggcag ccccccgaggc catgggcaga ccgcgagac   2280
aacccaggaa cgcaggaaga aggaagccaa caaggcgaca agagccaacc acaaccggag   2340
aaccatggcc gaccgcaaga ggagcaaagg catgatccca tcctgagacc tggtgcaggg   2400
ccagtgggga ggcagcggca ccagactcac caggccgcgc tcccatcgcc tggggcctcc   2460
tcactagggg ccccaagttc aactcaaccc ctcaacagcc tcagctttgc agcccctgag   2520
aaggccgcct ctcatctacc agccagccat gagcgccttc ctgcagaaca cacagtgcct   2580
tatgccacag ccgaagaatc cgtggggccg gcaagcaggc accttccccc agctgcgcta   2640
gcgggaaaga gatggggatg gagtcccaag gcaagcgccc caaacctcgg gccacaagac   2700
accacttccc ctttaccctg gacagcagga aacctgtata ttcaaaaaca caaaaagtcc   2760
tgctaataaa atttttgacc ctttcaaaaa aaaaa                              2795
```

<210> 8479
<211> 2350
<212> DNA
<213> Homo sapiens

<220>

7061

<221> misc_feature
<222> (101)...(1314)
<223> similar to gi3766199 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8479
gtggaattcg tttaagatgg cgtccccgt agcagcgcag gccgggaagc ttctgcgagc   60
cctagcgctg cggccccgct tcctggcggc cgggtcccag gcagttcaat taacctccag   120
aagatggctg aacctgcagg aataccagag caagaaactg atgtctgaca acggagtgag   180
agttcaaaga ttctttgtag cagacactgc aaatgaagct ctcgaggctg ctaagagact   240
aaatgcaaaa gaaattgttt taaaagccca gatcttagct ggaggaagag gaaaaggtgt   300
cttcaatagt ggtttgaaag gaggtgttca tttaacaaaa gaccctaatg ttgtgggaca   360
gctggctaaa cagatgattg ggtacaatct agcgacaaaa caaactccaa aagaaggtgt   420
gaaagttaac aaggtgatgg ttgctgaagc cttggatatt tccagagaaa cctacctggc   480
aattctgatg gaccggtcct gcaatggccc cgtgctggtg ggcagcccc aggggggcgt   540
cgacattgaa gaggtggctg cttcaaaccc ggagctcatt tttaaggagc aaattgacat   600
ttttgaagga ataaaggaca gccaagctca gcggatggcc gaaaatctag gcttcgttgg   660
gcctttgaaa agccaggctg cagatcaaat tacgaagctg tataatctct tcctgaaaat   720
tgatgctact caggtggaag tgaatccctt tggtgaaact ccagaaggac aagttgtctg   780
ttttgatgcc aagataaact ttgatgacaa cgcagaattc cgacaaaaag acatatttgc   840
tatggacgac aaatcagaga atgagcccat tgaaaatgaa gctgccaaat atgatctaaa   900
atacatagga ctagatggga acattgcctg ctttgtgaat ggtgctgggc tcgccatggc   960
tacttgtgat atcattttcc ttaatggtgg gaagccagcc aacttcttgg atcttggagg   1020
tggtgtaaag gaagctcaag tatatcaagc attcaaattg ctcacagctg atcctaaggt   1080
tgaagccatc cttgtcaata tatttggtgg tatcgtcaac tgtgccatca ttgccaatgg   1140
gatcaccaaa gcctgccggg agctagaact caaggtgccc ctggtggtcc ggcttgaagg   1200
aaccaacgtc caagaggccc agaagatact caacaacagc ggactcccca ttacttcagc   1260
cattgacctg gaggatgcag ccaagaaggc tgtggccagt gtggccaaga agtgatgtct   1320
ttgtcctgat ccaatggaga aagaaagcca tttttccata aaaagggatg gttcatcatt   1380
gtgaaagaaa tggttatctc attggggaag aaaaggggag ggggaaggca agaatcactg   1440
aaaaatctta aatctgtgtt ttctggaata agatatctag acagcctaaa tctgattttta   1500
gtctttataa aaataatatc ttgtgttctc atacttttct gtcactgtaa gcctgcccag   1560
taggcagtgt tttgcagact ttggggagtg gtctatgtgg ccaaatattg tgtgtataga   1620
cagaatttga aatcaagtcc tgcttcattt acaagaattt tggtgggcat cgaatcctac   1680
ataatgaaaa agaaaaacag accatttaaa aactcagaca agattatatt taatatatta   1740
attactaaaa aggcacaaga ttacactgaa catattagct actaaaaagg cactgctaag   1800
acattcaagc aaatagctat tacacactac tgcagatttt acaggtttct aattctaaca   1860
tatgtttgaa aaatccgtga gtattccaaa atatatttaa taatggaata tctgcattaa   1920
tataccatcc atgtgttttt accatttgcc ttaatattga atatactgtt tacctcacac   1980
taaaaagaaa accagaagcc ttatttgtga ttttgggagt ggaagcttcc atttttgtgt   2040
caaaaatgaa tcctgattct tatggaaatc tctgttatta agatatttca agatgagaca   2100
acactgaaga tcaaattgtg tttagtatca ctatcttctc tcctcgtttc tctcttactc   2160
ctcatcctcc cagaatctac cagttatgg tagaaagatg ggaaccttat ttgaatgtgt   2220
ttttttttt ccatgatgtc caattttgtt gtgggaaagg atttggataa aattttttgtt   2280
taaattttgg tagattttta tctatacaaa tttaaataaa atccatgttt tgtaagctgt   2340
aaaaaaaaaa   2350

<210> 8480
<211> 5653
<212> DNA

```
<400> 8480
tttttttttt ttgggtttct actgaaactt attatttgcc attaagaatt gcaaactata      60
ctactaagaa tgaacaacat tctcttcatt aagccttttt caaaacacac gagacaaagc     120
tcccctttgg tcaaggtgtc ccacacattc ccactgcagc tcccagcaca gcggcgcacc     180
atgaactcgg acgcggagcc caaggaatgg agatcgcacc agccttccct gcttccccac     240
cccaactaca cccaagggag aaaggatacg aggaaataca ctatgtcttc aatgcttggg     300
gggctggggg tgtcctctgc taccaggtgg gccggtcagt gccgactgtc cggcgcgcgt     360
cctcggggat ctccggctcc ccgacctaca caagcagcag cagcagcagc agcgagtcct     420
gccaacgccg cagtagctgc tcatgagaaa agtgcccacg ctccccaagc cctcctgttt     480
acatttccta gtggggcaaa gctactttcc caggacaggc agcagagcag tggggcagag     540
tgcactctgg gacccgggac agcaggttac acagggtcag gcggtggtgg gtgctggaat     600
cggggctgag gttctggaaa tgccaccagg tgatgccacc ctgtggtgtc tgcccaccac     660
acaccacaag actcaagtgg ttttcccctt ttggccctaa accacctaac acctcagcgg     720
catgggaggg caattctcag caaggcaagg acatggggaa ggctcctggg agaggcacgc     780
cgtccaccct caagcctgac tgtcacaggt ggaggccccg cccccccccc gtcaccacac     840
ctggggaagc tgccacagaa tgccacagca ctggaaaggg acactctgag ggcaggctcc     900
agcagcagct ccaggacagc cagccgccct tctgcccagg ccgaccacgc tgtgtcctgt     960
gcacgccatc ttcaggtttc ccacacaccc acttcctgaa tactttctc cccaaagcaa    1020
ggaggaacct cgccttcgtt cctccaacct catctcccac tgaggtagcc cttggtaagc    1080
caggctgggc agagaggaca cagcggtggg cgcgcccccc tcgagagcag cccagtcctt    1140
gggcgtgggg ccgcagtgtg gctgccgctc ctctcacgcc agcctgcaca ggtcttctga    1200
gactgactca gggagcgccc cagaaattca tgtctgtgtc tgacaacttc aaacaggact    1260
ttaattccaa accaaccaca gaaccggcgc ctgggagcaa gtgggactga ggcccaggtg    1320
ctaacacggg gctggcagtg tcgagagaac gctctggaag ctcctaacag acggctccgc    1380
gtgcggatgc acaggccctg acgggcactc tgagctgggc agtctgacac caagcagtaa    1440
ggcctcccgg gcagcgcagc ctcagtccac gagcacagcg ggtggccctc tggggggagg    1500
cagcacgggg cgcagccctc ggcaggcgag cgggcgggat ggatgaaacg cagcggcacc    1560
aggagcccca ggctctcaca ggtgccaccc ccgaccccag gattttcaaa gggacaggat    1620
ttcaaagtct tcatcttctg agtcgaagaa tctttccagt cgctctacat cagaagaatc    1680
tagaaggaac aggacatagc gcatcaggca tcttgggtgg gccacctggg tgtgagtcaa    1740
gggcccttgg cgtggggcag actgagcagt gcctgctctg cagcccacag acagctgtcc    1800
ccatgcgggt gtgaacaggt ccggggggttg tgcagacctg cgaatatggg gggagggagc    1860
agagaagagg agcagggcag ggtgaggagg gcaggggggcg gccggcacaa tctcaggcct    1920
gaggggcctc tgtcccgcgt ctgaccctcg tggtcatcag gagtggttcc attgccattg    1980
ccttgtttgt agagtttccc acaggagac agagatgagg aggacgcgct cacggccact    2040
cacttcactg cacgagccca ggccggctcc tgcggcacgc tggccatggt ccgaggggtc    2100
tacgccaccc atggccagtg gtgcccaagt gaaccagtcc cccacccagg actgcgtcac    2160
cacagagcct gcatgttctg tctgctccag acccctgagg actccatggt agcacgccca    2220
gctccacagc gccccggcag gcagcgctgg tggggaagac gaggtgggtc ctgggctgct    2280
gggcgcaagc ttggaggagg ggacgctcca ctccatacct ggtctcacag gcgaaccact    2340
gccaagtgct cacggctcag gctcacacac accttaatgg tcaaaaccaa gggggccagg    2400
actggggaag caagggcaca gatcgtacct ccgagggacc ccacctggac ttggcagctc    2460
tcacctaggg acaggttcag gacgtcgggg caggccagat gtgaaggctg ctgctccacc    2520
agctcaaaca tgggcagggc acctccaagc agagacagct ttttgacttg ctggcaccaa    2580
tcactgaagt catcttcagt cttacagaaa aacccctaaa acgaaatgac gatgagcaga    2640
acacgacacc cccatctgca gtcggataag aggtgggggc ttccattccc actgccagtg    2700
```

```
gcgcagcaga ggcccccagc atgcaggtgc tggacattcc agcctgcctt ggctcctgtg    2760
gccgggaatg gagctccgag ggtgccctgt gcatggtccc ctgcaccagt gcccggctcc    2820
cctcaggctc cactgcgttg ctgtgccttg attcgcccac gagatgttac gtggtgtgca    2880
tctctcaaac ctcaccgagt gttccgggat tggggcaggt tatgagttag ggccaagtgg    2940
ggagctcttc tctctgtgac tgtgagacag ggccgctggg tctcagcctt cgcccagcag    3000
ctccctggaa gcttggcggc aaaggccacc gagaactgcc caaggacacc gtgacacagg    3060
gagcctcctg ctgaggagcc aggagacagg ggaccggcca agggtcaccg gcaatcacat    3120
ccttaaagct gccgcctgta atgacagtca ctaggaattc tcaacgctgc cagatgcgca    3180
gatgttaaca caaaaagaaa cgaaatgggg ggagaagctc aaactgggca ctctcttccc    3240
ctgaagacac cattctgccg cctcggcgct ggtgtaggag cactctcccc cggggacagg    3300
ggacattcct cctcctcacg ggtgaggaca gttatcccac caggtggccc ctttggtctc    3360
aactcaacgt tcacgcgtcc actcctctgt ctgcggtggc tggctctcta gcctgacctg    3420
actgttagag tgccaatcac tgtaagccac caagctgcgt ttacagtaac aaacatacct    3480
aattctagtt cgacgaggaa ttcgtgacta ggttctggta agaagtgtgc gccaggctgc    3540
gcgcagtggc tcacgcctgt aatcccagca ctttgggagg ccgaggtggg tggatcatga    3600
ggtcaggaga tcaagaccat cctggctaac acagtgaaaa cccgtctcta ttaaaaatac    3660
agaaaattag ccaggcgtgg tggcgggtgc ctgtagtccc agctaatcca gaggctgagg    3720
caggagaatg gcgtgaacct gggaggcgga gcttgcagtg agccgagatc gcgccactgc    3780
actccagcct gggcgacaga gtgagactcc gtctcaaaaa caaacaaaca aacaaaaagt    3840
gtgagccaca gagctccagc ccatgttccc cactactgcc accctgccca ggaggtgcat    3900
ggagcgtggt gtgcactctg gggctgcgcc acagctcaga gaccgtccca tttcaggccc    3960
agatctgcct tcttcctcct aaatggggcg gagcatccac aacagagccc ccgattcggt    4020
taactgcttc cctgagcatg tcaccgtcat tcatgatttc tagggggggtt ttttggcctc    4080
tttccccatc aaatatattt gagggcaggc aggtctgcat aaatcacaca ccaaaaatca    4140
caactaggta atcaaaatgg aaaaacaggg aagctccttc ttaggaaatc ccccagagag    4200
gtcaagtcag agcctccgga aaacaaaagg tggtgcagga gtgggtgggt ggaggggccg    4260
cccgtgttta aatgtgggtg tgacgaaggt ggtgcagggg tgggtggagg ggccgcccgt    4320
gtgtttaaat gtaggtgtga gggggacaca ctcaccatgg ctcacactca tccatgcaca    4380
ctcagcacgc gcccacacac gctcacatcc agacacacgc tctctgggcc actcgaaggc    4440
catgaaggct gcacaggagg tggtgcctgg gggagggacg tgagggtgca aggacacagt    4500
tccggctctt atacccttca gattcccaac cacgtgaaca cagtacttat cccaacatgc    4560
tgaaaaaaaa acgcaaaaat ccgaaagttt tcctcgtcat tcccaaacag cattcagcac    4620
caaatgcctg tgtgctcagg tggccgccac gtaccacagc gatggacggg tcaagctccg    4680
cgatgctcat gcggcacggc gggtgctggc agtggaagct ctcgtccggg atgaagcagc    4740
catcagtggg ctccacggct ggctgcgtgg tgtgggggtc caggtagatg agctcctcac    4800
caacgtagcc gatgaagtag tgggcgctgt tgggcttccc tccgatgacg cccagggact    4860
ggggcatcat gaagcagtgc ttcagcgtct ccacgtaggc ctcgttgatg tccgtgagcc    4920
ccaggcgcag gggaatgaga agtaccaggg gtctccatgg cgacggcctg ttggtgacct    4980
cagctccggc agggaatccg ttgcagtgcc ggtcggaatc tgcaggaaac gcagtggcgc    5040
ctgcacaggg aacgctggtc ctgcacaacc ttctgatttc ctccatcaca acagtgttgt    5100
ccattgcaat gtggaccgcc aaggagctcc acgtatcgaa gacagcaagc ttcttcagga    5160
cctgggcgac agtgttgggc ccgtaccact ggcctatgga cttgccttcg ccaactccca    5220
tttgcgctat ctggtgaatg gagtagtaac tgtccttcct gtcgatgaat gcgttgagga    5280
cgctgaagta gctgtctggc tgcctcttcc tttgtgtcca cctccaatct cggcctaggt    5340
gccggcacac cagggcttgg gcaaagatca tctgtccaca ccgcagcatg cagccccagc    5400
ctgtgtccga ggtggggcct gtccccccaa tggctggaaa gtttttcctg tatgtaaacc    5460
aaagtctaga tgccacatca gacaagatct cgtccttttc tgtgaaaatg ctgtattttc    5520
tacccagtat ccaaacgggc tctgaggtct caggaaaatc ttcaaactca gcaaaccgga    5580
gagtgtcgta ggtcagagta gctgcgtcca tcttcccagt ccggccgccg actgacccga    5640
gcggcgtcgc tcc                                                        5653
```

<210> 8481
<211> 2992
```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (76)...(1313)
<223> similar to gi3171908 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8481
cgacgccgct tgtgggcccg actccgctct gtctgcttcg ccaccttctc cccgagcact   60
gccccggccgg ccgccatggc taacgtggct gacacgaagc tgtacgacat cctgggcgtc   120
ccgcccggcg ccagcgagaa cgagctgaag aaggcataca gaaagttagc caaggaatat   180
catcctgata agaatccaaa tgcaggagac aaatttaaag aaataagttt tgcatatgaa   240
gtactatcaa atcctgagaa gcgtgagtta tatgacagat acggagagca aggtcttcgg   300
gaaggcagcg gcggaggtgg tggcatggat gatattttct ctcacatttt tggtggggga   360
ttgttcggct tcatgggcaa tcagagtaga agtcgaaatg gcagaagaag aggagaggac   420
atgatgcatc cactcaaagt atctttagaa gatctgtata atggcaagac aaccaaacta   480
caacttagca agaatgtgct ctgtagtgca tgcagtggcc aaggcggaaa gtctggagct   540
gtccaaaagt gtagtgcttg tcgaggtcga ggtgtgcgca tcatgatcag acagctggct   600
ccagggatgg tacaacagat gcagtctgtg tgctctgatt gtaatggaga aggagaggta   660
attaatgaaa aagaccgctg taaaaaatgt gaagggaaga aggtgattaa agaagtcaag   720
attcttgaag tccacgtaga caaaggcatg aaacatggac agagaattac attcactggg   780
gaagcagacc aggccccagg agtggaaccc ggagacattg ttcttttgct acaggagaaa   840
gaacatgagg tatttcagag agatgggaat gatttgcaca tgacatataa aataggactt   900
gttgaagctc tatgtggatt tcagttcaca tttaagcacc ttgatggacg tcagattgtg   960
gtgaaatacc cccctggcaa agtaattgaa ccagggtgtg ttcgtgtagt tcgaggtgaa   1020
gggatgccgc agtatcgtaa tcccttttgaa aaaggtgatc tttacataaa gtttgatgtg   1080
cagtttcctg aaaacaactg gatcaaccca gacaagcttt ctgaactaga agatcttctg   1140
ccatctagac cggaagttcc taacataatt ggagaaacag aggaggtaga gcttcaggaa   1200
tttgatagca ctcgaggctc aggaggtggt cagaggcgtg aagcctataa tgatagctct   1260
gatgaagaaa gcagcagcca tcatggacct ggagtgcagt gtgcccatca gtaaactctg   1320
caaacaaatt gcacaggtgg attttctttc cacatttgcc tgatttgttc tcagcaatcc   1380
agctggagtg tcttatcaat ccagatgaac tgagggacat ctgttggtct atgtataact   1440
tttaaaattg gtatagtatc tacagagtgt ataatttaaa ctaaccacaa agctttacat   1500
cttcattttg actgttccat agcagaataa agcacttgaa aggaaacaag actcccttc   1560
acacatggat tattataagt ttcaatcctg gtatctgtgc ttgatttta tcagttttgt   1620
gtagattttt atgtttcata ttttaaattt aaatcccaca ttgtaaagtt tgtacaattt   1680
gtcctgaagc tttgtgtttg gctgcacctg cataagctgc tacaaataga ataaagaatt   1740
tcatagcctg tatctatcat ttagatgcat ggaaaaaaat gggctttgca cacaatgggt   1800
ttggagctga ctgggaacaa tggaaaaaat tacattagct gtggttgtaa agtttttttg   1860
tttttggttt tgtttttttt ttctttttc ttttttttt tttaccattt tgggaaaggg   1920
tttttaaacc tcgataataa aaagcggttg gtgtaaatta ttcttttgtg tcacattttt   1980
agaaggaaaa acataaaaga atgtatcctt agtactggtt cttaaacagc ccataaaaac   2040
ccattggcct gaagcttata tctcaggcct atgcccatct tatagtcttg gaagacaaaa   2100
ggctggtaga gacagtcttc agtggcttca gtgatgctct gtagaggcca gggtgtcttg   2160
agtgctgtaa ctcccaagca ctgggctagc ctgacttctg tatctcccta ccaccacccc   2220
cttaaaaaaa taaggtaaca gcaaatctat agtaaaacca tgtctgcata gaacgtgttc   2280
aaatcctctg ttttcattaa atgtaaaaga tgctgtctcc attaagttga atatttggaa   2340
ttggagaagc cattgattat tattttgagt ttctgtaatg ttttatagaa aagtaagatg   2400
cttattcaga atttaagaat gaaggcaact gaaatatgca ttgttgtagt tatttatatt   2460
tcaaactaaa aataagcaaa aaaaaaggc tggtttgaga aaaatcaggt aaaattgatg   2520
aaacggaggg ggggtttctc tttccatcat ctggttttta ccatttcact cagtaggtat   2580
ttttaaaaca cacttatttg aggaaagaga catcagatgc acaattttac atttataaag   2640

```
gaacaaatgg ggaaaactga aaactaaaaa ttttaaatgt attaaatgcc atccctgagc      2700
ctaaatctag tatttgtagt ttatttctag gtctgctaga acctgaaaac ctgaatgaaa      2760
aaaggtgtgc tgacactaat caagtcctgt gaggtttaaa ttattgacct atccactcta      2820
cctccattgt acaaaaaata ttttacaaca agcctgggta agattcaaca gcatagtagt      2880
tttgtatcca aggttacttc cccacaacca ctttaaacat aagaaatgtg gtggcaatat      2940
aaagtttgta gcctttccaa taaaggttta taaaacagtt aaaaaaaaaa aa             2992
```

<210> 8482
<211> 983
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (80)...(379)
<223> similar to gi5824468 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8482
```
attagtacag tgcggtggaa ttcgacggcg gtcggcgtgg ggcgctatgc cggggcggca        60
cgtttctcga gtccgggcat tgtacaagcg cgtcttgcag ctgcaccgtg ttctgccccc       120
ggacctcaaa tccctgggcg accagtacgt gaaagacgaa tttaggagac ataagaccgt       180
tggttctgac gaggcacagc gtttcttgca agaatgggag gtgtatgcaa cagcgttatt       240
gcaacaggct aacgaaaaca gacaaaattc aactggaaaa gcatgttttg gcaccttcct       300
cccagaagaa aaacttaatg actttcgtga tgaacaaatt ggacagttgc aggagctgat       360
gcaagaagcc acaaaaccca ataggcaatt tagtatttct gagtctatga aaccaaaatt       420
ttagtctata caacaaagct taataagaca tgcaaaaatt tagaaccccct actttaactg       480
tcattggttt ttgaaatata tttaagcttt gaaaacacct gttattaatg aaatactctt       540
ttattttgga tattatgatt gcagtatatg gatcaagatc actagtgaca attgaaaaaa       600
actattggaa taatagcact tgtataaaat tcagttttgg aactaaacag caaatttcta       660
gaattttgct gaaaatgttt taaaatgcta ttctcatcca gccatattag tcttctggct       720
tttctttagc ttcatcaaat aagcatgttg tgataatgat agatgtacaa ttccaacaag       780
gttattattt tttaaataca ttgtcattct gaacatttta tcacttctag tttaataata       840
catacatgat ttttcttctg aatgtctctt ctccctgcat cactgttcat tcacaatgaa       900
aggttaggaa gaagctttaa aattcactat tttactatca atcatttgta taataaacta       960
tacaaagtat aaaaaaaaaa aaa                                               983
```

<210> 8483
<211> 1932
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1807)...(757)
<223> similar to gi4128133 in the genepept database release 114,

```
<400> 8483
gaaggattaa aaatatataa tcaaatttt ttttttatttt tctacagcaa aataaaaaca        60
ttattttaaa aaagcaatat tctacattaa atacattaag atattgacaa ttttataaat       120
acaatcattt taaacagtaa acatgataaa tttctgatac aaggtttac atacgttaat        180
tgtgaaaata taaaaacttt acacacttct cttaaaaagc attcaacggt aatcaatttt       240
acaaaattat caatttaaaa agtgttagga tatgcttcta ttttgttccc attattaggg       300
ccaatggata ggcatatcag atcttaaaaa agaaatggtg aattagggcc taagacatcc       360
ctatattgcc taaaaacgaa catttcagag actttcttag gcactgagtt caaaaccagt       420
gaaggttgcc ttctccctag gcaccactac ccctcatggt tgtccgaatc aggagacttc       480
ttcctggcta cccttaggga gagtcttcta cacctattat ttcctagttt ctaggagaaa       540
gggtttcaga aagaattttg acatttaaat tctatgccag tactgaaact ctcccaaaga       600
ttgaggcatt ctgcatttga attttataca gaaagtcatg aatctaattc caaaagaaaa       660
gagtgcactt catttggtca cttaatttca taccacttgg cgaggtagga taactttctt       720
ctttgacaac tgtctcgact atataaatgg tgattatacc ggaaagggtt ctaatgcctt       780
ttccacattc ttccagttgt gaaaattctc tctgtaccat tcaattgttt tctttattcc       840
ttctttccaa ggcactttag gtctccatcc taagccatgt attttttctg acttcattgg       900
gtatctcatg tcattggtgg gtctatcatt aacataatca acccaatttt ccatttcaga       960
ctctgaattg gtctctttga tcagttgtat tagttctttg gcaagctgga caactgacat      1020
ttcaaaattg gttccgatgt tataaatttc acctggtttc ccttttttga ggacagtgag      1080
aaatgcttct acaacatcag tagcataaag gaagtttctt gtttgaagcc ctgacccatg      1140
aatgcaacat ttcctgttgt gctgtagcaa agatataaat tttggaataa ccttttctgg      1200
atattgatgt ggtccataaa cattactgct tcttgtgatg acaactggaa acttatattg      1260
ttcccagtaa gactgtacaa aacattcagc agctgcttta gatgatgcat aaggatttgt      1320
aggttgtttg ggtgaagatt catcaaattc cttatcaaga ctgccaccat atacttcatc      1380
tgtgctgaca taaataaact tctccactct ggcttcatga gcagcactta ccaaaacgtg      1440
agtgccataa acattaacat aggtaaactc aaaggcacgt acgaatgaaa gatctacatg      1500
tgtttgtgcg gcaaatgta gtactatatc tattttctct gtttcaaaaa gcagtttcac      1560
aaagtgagaa tcacatatgt caccctgtat aaatttgtag ttctgtttgt tagaaatggt      1620
ttcaagattc ttcaagcttg cacagtaatc cagcttgtct agatttatga tcatatagtt      1680
tggataatct tccactaaag agacaatcat atgtgatgca atgaaaccag caccgccggt      1740
caccaggacc cgcttcgcaa agccgccggg aagaccccac ggttcctccc aacacgccgc      1800
cgacatctcc cagctcagca gtgcctagta ccgtaaagag tatggtctga aaagcgcagg      1860
gaagttccgc cgcgaccttt tgcgtacgcg cctcgctcgc gggacacgtt aacagagcag      1920
ccagagacga aa                                                          1932
```

<210> 8484
<211> 425
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(426)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (49)...(420)

```
      <400> 8484
ccacaacgct atcctcgaga acttcggcat ttaacaggag nccagcgnga ggtgcagctg        60
gtggagtccg ggggaggctt atttcatccg gggggggtccc tgagactctc ctgtgcagcc      120
tctggattca ccttcagcaa ctactggatg cactgggtcc gccaagctcc agggaggggg      180
ctgatgtggg tctcacgtat taataataat ggggatacca caaattacgc ggactccgtg      240
aagggtcgat tcaccatctc cagagacaac gccaagaaca cactgtatct ccagttggac      300
agtctgaggg tcgaggacac ggctgtgtat tactgtgcaa gagagggccc ggtctactat      360
catagtagtg gttattactc tgtaataggc cagggaaccc tggtcaccgt ctcctcagca      420
tcccc                                                                   425
```

<210> 8485
<211> 1458
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1459)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1297)...(646)

```
      <400> 8485
tttttttttt ttccaggacg ctcacactta gtttttatta gccacagttt cccacagttt        60
tctacctcct aggaaataca cagctcacca agggcaccca gtcaccattc tgtcctgctt      120
gcatggctga cactgttgct caccgagggt gagcagatct gcaaagtcac ccagggcctg      180
gtttcctcag gtacagagaa ccccaaagaa agaagagcca gaacttagag ccccttttctt      240
ctccatatgg gataggacac ccaagacaaa tgacccatgc atcatgaaac agaggcaggg      300
ccctaagctg cccaagaggc ctgggcactt ggagttcctg ccaacagcca ggccactgaa      360
ccattgcctg tccaccctcc cacagtggct aatccctggc ctagttgtaa atgtcttttc      420
agcgctgcac acttaatgca gtcggatgcc ttctgattac tggtctctga gaccttcagc      480
tgctgaggtg caagaatcaa gcatgggcat gaaaggcaaa gggctaccac agcagcatcg      540
ttctgcctcc accctgggct acgcgaccca gcccagcagg ctgtgaccta ggagagctgc      600
tccagcctgg ggcatgaggg gccctagagc aggatgccgg ggctaggagt ggactgccct      660
gctgatgggt cgtttttctg tgaagaagct tttcaacagt agcacctgac tgaagctgac      720
cacgaacagg gcaatcgtct cgccaacaga ccagtaagag actcggctat taaggtcttc      780
cgctcgggcc cggtcctggg cctcccgcag ccggtaatgc gtctgggagt caatcaccgt      840
tttcagagcc tcatggatgg tcacgcaggc ggactccatc tgggtgagag ctgtgaccct      900
gttccccatg tctgggagaa tgggaggctc atcgcccact tgaaagtcaa agtagacggt      960
cttgtgagag aaggtggaaa actcattact gaagcaaaac tgataaacgc ccttgacttc     1020
```

```
agcccggtac gtgaagctgt cgtactgctt cttcgtttct ctgtagatgg tgttcccctg    1080
ggggtcctct acatagcagt caacatcgta gtggcctcca gtgatgacct ggtaatccag    1140
ggagaacttc acgccctgct ccacctcctc gtggaagcac tgcttggcgt tgtccggcag    1200
ctcgaaggtg agctcggccc cgcagggctg ctcggcccgg cgcaggagca gcagcagaag    1260
cagcacggag gcggagcgcg ggacagtgct gcccatgatg ctctcggtcc cgtctcgagg    1320
gccgcggctc gggcgctgcg ccccggcgg gctggggcga cgactaccga ccgggtccta     1380
ggaggatgta aggggataaa cgtggcacca gcggagctct gcgccggacg cgtggctcga    1440
ccggaanttg cggagcgg                              .                    1458
```

<210> 8486
<211> 1271
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1217)...(774)
<223> similar to gi3879850 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8486
```
tttttttttt ttgataataa agtggtttgt tgagatttag gattttatta ttatttattt      60
ttagaaaaaa gagaaaattt acaagatgca aaggtctcac acaatacatt atcattgatg     120
attgctctct tgacacttca acacgggccc tggcaataaa aagaacatgg acagtgtgag     180
tgtattggag aacccccgcc atggacacgc agaatacacc acagtggact tgatgacaaa     240
tgatgctggg ccagcctgtt ccaaaagcaa gccaagatgt ggtagaaacc aacaaagcct     300
ttctgtgggg gaggcacgag cgcacacctt ctaccacatg cgcacccgcc ccctggccca     360
ccggcagtgc ccactgcatc actccaccac agcaacaaca gaaaacgata aaacggtcct     420
ttggtgtttt ttgcagagct attcaggttc ccaaattctt atttctgtct tcctcttcat     480
gtttcagttc caaattctta aagtagtgta ggtgcttagc atcttgaatt tttcaggatc     540
cagttctgcc caatgataac acactgaatt ctgcctcctg agctacggct cccgttcaga     600
ggacacgtcg ccctcagccc cgctgctggc actgcggtct tcttttcggg gagtgtttct     660
ttccttgctt gattcagaag gtcccttagc tctggtcttt tctttcctct gctgctgttt     720
ttcgagcttt gacagctgct ttgggtcaga ggtagcagtg ccgggagctg gcgattccag     780
ctctatggtc acaggcccat cattctgaat gtgcacctgc atgtaggccc caaacttgcc     840
atctttgata agctccggcc tgtatgtttt acgcagctgc tccaggaagc tgttgtagaa     900
gccctctgcc tgctccgtgg gcattgctag gtggaaatca ggcttgtttc ccttcaggac     960
acactggagg gtaaactggc tgacacacag aatctcgtac tgtttgtcca tcacactctt    1020
cgaccagtgc ttcccactct catcctcaaa tacacgcagg tttagaatct ttcggaccat    1080
gtgttccagt tccttctgcg tatcctccag ggaaataccc agcaacacac atatgcccct    1140
tccaatggca ctaatctgct ctcctccaac tgtgacgctg gcccgggtga cgcgctgcac    1200
cacggccttc atggcggcgg ctggggcgag tggggcggcg ccgcgctgcg tccggcctcg    1260
cgaattccac c                                                         1271
```

<210> 8487
<211> 1805
```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (111)...(911)
<223> similar to gi5832792 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters


        <400> 8487
gcggccgcgg cgggaacatg gaggagctgc tgaggcgcga gctgggctgc agctctgtca      60
gggccacggg ccactcgggg ggcgggtgca tcagccaggg ccggagctac gacacggatc     120
aaggacgagt gttcgtgaaa gtgaaccccA aggcggaggc cagaagaatg tttgaaggtg     180
agatggcaag tttaactgcc atcctgaaaa caaacacggt gaaagtgccc aagcccatca     240
aggttctgga tgccccaggc ggcgggagcg tgctggtgat ggagcacatg gacatgaggc     300
atctgagcag tcatgctgca aagcttggag cccagctggc cgatttacac cttgataaca     360
agaagcttgg agagatgcgc ctgaaggagg cgggcacagt ggggagagga ggtgggcagg     420
aggaacggcc ctttgtggcc cggtttggat ttgacgtggt gacgtgctgt ggatacctcc     480
cccaggtgaa tgactggcag gaggactggg tcgtgttcta tgcccggcag cgcattcagc     540
cccagatgga catggtggag aaggagtctg gggacaggga ggccctccag ctttggtctg     600
ctctgcagtt aaagatccct gacctgttcc gtgacctgga gatcatccca gccttactcc     660
acggggacct ctggggtgga aacgtagcag aggattcctc tgggccggtg atttttgacc     720
cagcttcttt ctacggccac tcggaatatg agctggcaat agctggcatg tttgggggct     780
ttagcagctc cttttactcc gcctaccacg gcaaaatccc caaggcccca ggattcgaga     840
agcgccttca gttgtatcag ctctttcact acttgaacca ctggaatcat tttggatcgg     900
ggtacagagg atcctccctg aacatcatga ggaatctggt caagtgagcg ggccttactc     960
tggaaggagg cctcagaggt ttctccacag tcctcttctg ggcaaattct tgtttcttca    1020
catgccggac tagcttaaga ccaatgcagt agcttatttc caagccttgc aaagtatata    1080
atatctaaga ggaaaggttt tgtcatccca gcgttgtcca ctttgtgggg ctttgtaggt    1140
agacggagcc acactacagg cagggtatga gcagagggat gtatggagtg tgggtgactc    1200
tgagcctcac tgctgctgca aggtggggaa actgtaagtg aacccctgtg ggtgcggggg    1260
agggtatccg gtgcgcaggc aggtggccag cgcccccggg cactgctgct cataggtacc    1320
tttccgctgc ctcctccctg ctctcctgtg caggaatgtc tctgagctgt tcacgttgat    1380
gcttcttggt tggcaagact tgggtgtaga catgaaacca tcttactaaa agcgtcttaa    1440
aatgaccaat tccagaatca agcgtattcc gttttcttcc tgcatgatcc ctgggccctc    1500
ccgcaggctg agcaagtctg taaactgatt ctgggagaaa ccaagctgct ggccgtaggg    1560
tgtccttggg tacatccagg agtcttcatt gcttctgtta ttaccccgtc tcctctgcca    1620
ttttctacag cttgctgagt tgtcattcct ttgcaacatt aaaatacatg ctgaactcat    1680
atttttcctt ccttcactgt tgtagtaaag agacatattt catgaatggc attgatgcta    1740
ataaatcctt tgcacaaaaa tttgaataaa cttccagtgg tttcgataat gtaaaaaaaa    1800
aaaaa                                                               1805


        <210> 8488
        <211> 1390
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(1391)

<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (927)...(617)
<223> similar to gi2979531 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters


<400> 8488
tttttttttt ttctctttgt aagtagtgta ttttaaatag ctttcaagat acacatattt     60
tttcctttaa aaaagtctgt tggagcagtt ttgttcttga attttgctgg tcatcctcat    120
ggtcccgagc cccctactc cgggtcgtgg aggcggccga gggggaggct gggggcccac    180
gtggcccgtc ctggcggcac ctgcagcact gggggagccg ctgaaccccg tgcttcagcg    240
ctgggggagc cgctgggccc cgtcttccgc cacaaaccat gcatggccgc cacgtgagct    300
caaacgtccg tttatttcaa agcagtaata atttaaaatt ataaaaatct ttccaccgct    360
gaacgtttag agggtgaggt tagacagagg acggggaggc tggggacgcc ccagagggga    420
ccatgtggcc cacgccttcc caagccaggg ggccggtggg ccgggcccgg gtcctgccct    480
ggaacaggcg ggacctgcag cgctgaccag ccaagcgtgg cgccgccggg gcacccagtc    540
tgtgggtgcc gtgtggcgct ggctgagggt gggtgggaaa ggccccgtgc tttcccgacg    600
gccgacgtgg gctcacgagt tgcttgtggc gttctcgttg ctgggcgagc tggaggagga    660
cgatgacgac gaggaggaga agctcacccc agtgaggcca gggggggttcg tggccgtgtt    720
ctgtcccgtg aggcttttttc ggcagacggg gcagctgtcg tgctgctcca gccagggcac    780
gatgcagccg tcgtggaaca ggtggttgca gggcagctgc cgcacacgct cacccagcgc    840
gtagtcgtcc ttgcacacag ggcactcgag cccggagcct acgtgctcct cagtgacggg    900
gacggtgggg agggcctgga tttttctcttt atctgccggt ggggggcctg tgttttcaaa    960
ctgattgagg agctgtgtga tgatggcatc caggccgttg gccccccagg cgtagtccat   1020
agggtttgag tgcaggactc cccaggggcc caggctgggg atggtggcgg gcgtgatgat   1080
gccgttgacg agctgctgga tgatcccttc cagcgtgggg acgccttcgt gccggccggt   1140
ggcccnccgc gtggtgaggc gggcgcgggg ctgtcgggcg ccgtaccggt gccgggacgg   1200
atggtctctc tcccgccggc tctcaggggtc cctgccgtcg tcagcctgcg ccccaggagg   1260
gaacgtgggg atctcgaagc tgtcctcgaa gatgccgaaa gcaaactgtc cgtagccctg   1320
cggcagcgtg aacaggtgct ggtccatgtg ctccaacggt ggccggctcg aattccaccg   1380
cactggacta                                                          1390


<210> 8489
<211> 1959
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1926)...(672)
<223> similar to gi4726073 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters


<400> 8489
tttttttttt ttggggtctc agttcactct ttccttgttt attaaatatc aacttttcct     60

```
gcctaatggg ctgaggttca ttttcccatt cctcaaggta agggtagact acctaggaac    120
ttattgcatc tttaggccag ctggcttagt gctacccatc tgaacccca gattactacc     180
caagtcttcc ttttgcccct tcctgcccta acagcaagta ccaggccagt cccttcccca    240
gcaaatgcca ggggcttcat gtgaagagga actggccaca aggctgaggg gaggaggaga    300
aactgtttct gcaggaagga cagcagtgcc tccaggctct tgggcatctt cacatgtttc    360
tagataagga caagctcaac tctggagcct ctggtaggca gaagaaagga ggcagggagt    420
atggcctggg cttcagatac cgctgttctg gatggatcca cagatgacga aggcaaggtt    480
cctgggacct ggagtcacac agggccatag ccaagccttt tcactagaag ggcaggcagt    540
gcccattcat cttgtcagag gcaacctcag ctgtggaccc gaatggagtg agcaaaggga    600
gtccaggcct ccactctgct ctagagatgg cagtgtccag gctcctgatt cccaggaagc    660
agggaagcta aaggaaacct ggaaaggcac tctggagcag caggatggtc acaataataa    720
gcccgacaca cagcaggagc aggagccaca caggaacact ccgccgtgag ggcaacagat    780
gcagctggca acgactgtcc acagccacag agaacagggc agtttcatgg gacccaagga    840
gctctggacc acgacccttc tcaggtagaa aggccacatc cgtcaccaca atgccatggg    900
cctccctcac gtagtagagg cactggagag agaaagctat gtagatggca acagagccag    960
tgactgtgcc caggcctagg aaggtgccgg attcactgac atcgaggcag gagacgactt    1020
catggccaca ggacttggtc cgaaggggca agaagttgga gccatcccag gctgtgaggt    1080
agcagggagg gggctggcgc aggcgcttgt ggggaatttg cactgtgaag agtcgcaggc    1140
cagcaggctg gtctggaacc tgcccaaacc tgcaggcctg gtagcggtaa ggtgtgctgg    1200
aaaaggtggg tccattttct tgccagtgca gctgtgtcac cagctgatcc ttctgccaca    1260
cagaggcctt aaggtcccgg cccacggtta ccaacttgcc atcaggccct aaagccaggt    1320
cttcaatctc cccttcgtgg gctttgaact ccagaacctt ctccaggctg ggcaccttcc    1380
agacacggac gtagccatct gttcctccag tggcaagcag ggtattatcg tggttgaagc    1440
acacaacttt ctgcagtgga tcggagctaa agtctgtctg caccgcctgc aaattctcta    1500
ccctgagttc tagcccctcg tgctgggttt ccgctccaca tttcttctct gctggggctg    1560
ctcccttcct ttgtcgaggc ccctgctcct tggaaccggc cttctctgcc ttgttgccct    1620
gctgttgatg tgcctggaag cgcaggagct gacagtgggc atcctgccct gcagcaagga    1680
tgtcaccagc cagtgccaag ttcatggtgg cccgtgtctc tgtgtcatgg gagtgcagca    1740
aggaggcact caagcgccca ttaatcagct ctagctgcag aaagtgcacg ccattctta    1800
tgcctgtctt ggcggcgcct cctccgcccg cagcgatgag cagcccagtg ctggggtcga    1860
cctgaagcgc gtacaacggg aacggagcac ggaacagctc tggcgcccgg cgccggccca    1920
tcccgaccgg cgcgcgttct cgaattccgc cgctctctc                          1959
```

<210> 8490
<211> 1145
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (138)...(707)
<223> similar to gi4886908 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8490
```
tgtggtggaa ttcgccaccc tgccgccctg ccgccctgcc gccctgccgc cctgccgccg     60
gtggtcgctg cccgtggtgc tccgtcgccc ccgccacctc acgtcctccc gtgcgtcggg    120
agcgtctcgg ctacaacatg ttgggcatga tcaagaactc gctgttcgga agcgtagaga    180
cgtggccttg gcaggtccta agcaaagggg acaaggaaga agttgcctat gaagaaaggg    240
cctgtgaagg cggcaaattt gccacagtag aagtgacaga taagcctgtg gatgaggctc    300
```

```
tacgggaagc aatgcccaag gtcgcaaagt atgcggggggg caccaatgac aagggaattg    360
ggatggggat gacagtccct atttcctttg ctgtgttccc caatgaagat ggctctctgc    420
agaagaaatt aaaagtctgg ttccggattc caaaccaatt tcaaagcgac ccaccagctc    480
ccagtgacaa aagcgttaag attgaggaac gggaaggcat cactgtctat tccatgcagt    540
ttggtggtta tgccaaggaa gcagactacg tagcacaagc cacccgtctg cgtgctgccc    600
tggagggcac agccacctac cggggggaca tctacttctg cacgggttat gaccctccca    660
tgaagcccta cggacggcgc aatgagatct ggctgttgaa gacatgagtg acccactgaa    720
ccaagaactt actggaagtg tgcctctgtg tctccttcct cgggggtaag gaggggacag    780
tgcttcccaa gttccagctg caagtccaac ttaaccaact ttccttcaaa gtcagttact    840
gccaattttc tgaaaaaagc atgttccata tactaagtct cttttctcac ggtaggaaat    900
aatacagcca agatatgcag catccttctc attgatgtag aaaattctgc gatagaccag    960
aaaaatcctg gcagcttttc tccaggcatc tgggtcacta aaaactgatt ttctaaaatt   1020
attggatttg tattttgtta ttaaggggga aaatgtgatt tgtgcctgat ctttcatctg   1080
tgattcttat aagagctttg tcttcagaaa aactaaaaat aaaaggcatt gacttaaaaa   1140
aaaaa                                                                1145
```

```
            <210> 8491
            <211> 2018
            <212> DNA
            <213> Homo sapiens

            <220>
            <221> misc_feature
            <222> (1200)...(1349)
            <223> similar to gi4262136 in the genepept database release 114,
                  Run with FASTXY 3.3t00, default parameters



            <400> 8491
gaagctcatg tatgtttgca tttcagtgat tcgggttctg acctgccgcc acccatcacg     60
gtcagcgtgg tgcatctcac cgaggaggcg caggcctgga ttcttttgag tggtgctact    120
gcctaggaag taacacgtgg agaatttcca tcttgggacc atgcacacag tgccttgggg    180
agtagatttt gccctaatag cgatgaagaa ttttatcagt cagtggagtt ccttttttcag   240
atcagggatg ggaaagagcc aaactgggta cctcccacgt gtgccccgtg aacagccctt    300
tgcagctggg ctgtggggct tggctgctgc cctgtcccat ctggcagtta acgccttctc    360
cctgctctgc cccccactcc ccaaaaccag ttgcagcctc aacccacatg gggatgtaga    420
aagccgtaaa gtccacgcta ctgttgaaaa tgtttacatc tccgctctca acctgccttg    480
ggttcgtgtt aaatggtgtt aaattctgca aatggagggg aaaaaaatca aattctaaat    540
ttcaaagtag aatttaaagc aaatttgtaa aaaaattatc ctaccacccc ttttggtcca    600
cttaagatat gccacgctga agcaaggtat ttcctactgg attttgcttt cactggtgtt    660
tagaaaataa acttgatttc tctaggagca ctcctttggt tagagggatg caagaaggag    720
aggtgaaggt ggcgtgtggt ggctcatgcc tgtaatccca gcactttggg gaggccgagg    780
caggcggatc acttgaggcc agcagtttga gaccagcctg ccaacatga tgaaacccca     840
tctctactaa aaatacaaaa aattagctgg gcatggtggc aggcacctgt aatcccagtt    900
acttgggagg ctgaggcagg agaattgctt gaacccagga ggtggaggtt gcagtgagct    960
gagattgtgc cactgcactt cagcctgggc gacagagtga ctctgtcaaa aaggaaaggc   1020
aaaaaccgga ccctggagct ctgtgggccc tgattgcagg cccctccctg tgtgatgagg   1080
gatgagtcag cttggggagc cacttggcca gcctgcatgc ctggtcatca ggaggttgag   1140
aaaagccttg aaagttgtga agcactgagc agatacaagt gtttgttaat tttgtagaaa   1200
ttaactttcc catctggcct ttatctccaa agttggtatt gttgctccac gcagactgca   1260
gtccggtttc ttattgtgac tttgacaatg caaagtgcaa aataggaaga ggcctcccca   1320
```

```
ccccactatc ccaccctggt gaccaattca gtgtaaccat tgcacgtact cagtcattgg   1380
tgtctttgga gtgacatctg cagccagtta gtgccacctg agtacagcac tcgtactttt   1440
acatgatgtg tgtgtgagta gctcttctgt ccaaaccatg atttgaggtt caactacctg   1500
tagatcaaag ctttatttta gaacgataaa ctgatttttt ccaaatgggg gaaatcttct   1560
ccccatgact atgtttctt aactttgcat tgaatctatt tactgggtta cattctatgt     1620
gtagttggct ttcttcattt ttttttcttt taaaaagctc atgtcttatt ccaagcacct   1680
tcctccaaag tccccataaa gctgcatctc caacacattg ttatgcccaa taaggtttta   1740
tttaacttta tttaaggatg attgtgtctt tgaatgacaa atgtactgct gcttcctacc   1800
tgcaagacgc acaatgtatg tttcaagggt gagcaagtgt tatttcttaa atttctcaaa   1860
tgcctgtagt aactattgtt tctgcctctc aattgttgcc agctctttga agaaggggag   1920
aattgtgtgt ttttgtgtgg ggatgtttct gatatgctgc tacagttgca aaacactgga   1980
gctagagaaa ataaagtact gatcttcgaa aaaaaaaa                           2018



        <210> 8492
        <211> 1467
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (154)...(1129)
        <223> similar to gi3878325 in the genepept database release 114,
          Run with FASTXY 3.3t00, default parameters



        <400> 8492
tgtggtggaa ttccgaggaa gggcagtggg ccccgccgcc gcctcccaat ggcgaggctg     60
cgggattgcc tgccccgcct gatgctcacg ctccggtccc tgctcttctg gtccctggtc   120
tactgctact gcgggctctg cgcctccatc cacctgctca aacttttgtg gagcctcggc   180
aaggggccgg cgcagacctt ccggcggccc gcccgggagc accctcccgc gtgcctgagc   240
gacccctcct tgggcaccca ctgctacgtg cggatcaagg attcagggtt aagatttcac   300
tatgttgctg ctggagaaag aggcaaacca cttatgctgc tgcttcatgg atttccagaa   360
ttctggtatt cttggcgtta ccaactgaga gaatttaaaa gtgaatatcg agttgtagca   420
ctggatttga gaggttatgg agaaacagat gctcccattc atcgacagaa ttataaattg   480
gattgtctaa ttacagatat aaaggatatt ttagattctt tagggtatag caaatgtgtt   540
cttattggcc atgactgggg gggcatgatt gcttggctaa ttgccatctg ttatcctgaa   600
atggtgatga agcttattgt tattaacttc cctcatccaa atgtatttac agaatatatt   660
ttacgacacc ctgctcagct gttgaaatcc agtattatt acttcttcca aataccatgg     720
ttcccagaat ttatgttctc aataaatgat ttcaaggttt tgaaacatct gtttaccagt   780
cacagcactg gcattggaag aaaaggatgc caattaacaa cagaggatct tgaagcttat   840
atttatgtct tttctcagcc tggagcatta agtggcccaa ttaaccatta ccgaaatatc   900
ttcagctgcc tgcctctcaa acatcacatg gtgaccactc caacactact actgtgggga   960
gagaatgacg cattcatgga ggttgagatg gctgaagtca caagatttta tgttaaaaac   1020
tatttcaggc taactatttt gtcagaagcc agtcattggc ttcagcaaga ccaacctgac   1080
atagtgaaca aattgatatg gacatttcta aaagaagaaa caagaaaaaa agattgactt   1140
ttctttatct tctatgaagg gtctgtaatg aaatctctaa ataatttta aaaattgttc    1200
atcaacttct ttatgtttta ttagaaaaaa aactgttta atgtgcttta tcataaataa    1260
atatcctgac aaatggtatt gaaaaaaatc tgagatcatg tgaacatata atacaatgtt   1320
gattttcttc tggtgtattt tgcacagaca agcatctgcc ttaaaatata tacacttgta   1380
caaaaaggaa gtttggagta agtgcttcca ttttggtttc ttgctcctct ttactctgtt   1440
aacatatggt gcctttaca aatgtat                                        1467




                              7074
```

```
<210> 8493
<211> 4120
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (252)...(1897)
<223> similar to gi3327192 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 8493
acgcctcgaa gaatccgcta tcggctgtct gcacaaccgg aatcatgtcg agtttggcgg      60
tgagagaccc ggcaatggat cgatcactgc gttccgtgtt cgtggggaac attccatatg     120
aggcaactga ggagcagtta aaggacattt tctcggaggt tggttctgtt gtcagtttcc     180
ggctggtata cgatagagag acgggaaaac ccaagggcta tggcttctgc gaataccaag     240
accaggagac cgcgcttagt gccatgcgga acctcaatgg gcgggagttc agtgggagag     300
cgcttcgggt ggacaatgct gccagtgaaa agaataagga ggagttaaag agccttgggc     360
ctgcagcgcc cattattgac tcaccctatg gggatcccat cgatccagaa gatgcccctg     420
aatcgattac cagagcagta gccagtctcc ccccggagca gatgtttgag ctgatgaagc     480
agatgaagct ctgtgtccaa aacagccacc aggaagctcg aaacatgtta cttcaaaatc     540
cacaactggc ttatgcactg ttgcaggcac aagtagtgat gagaatcatg gatccagaga     600
ttgctctgaa aattctgcat cggaagatac atgtcacacc actgatccca ggcaaatctc     660
agtctgtgtc tgtctctggc cctggccctg ccctggccc tgggctctgc ccaggaccta     720
atgttctgct gaaccagcag aatcctccag ctcctcagcc tcagcatttg gctagaagac     780
ctgtgaagga cattcctcct ctgatgcaga ctcctatcca gggtggaatt ccagctccag     840
ggccaatacc agctgcagtt cccggagctg gtcctggttc cttaactcct ggaggagcaa     900
tgcagcccca acttggaatg ccaggggttg gcccagtgcc tttagagcgg ggacaagtgc     960
agatgtcaga tcctagagct cctatacctc gcggacccgt gactcctggt ggtctgcctc    1020
ctcgaggact gttaggagat gctccaaatg acccacgtgg agggactttg ctttcagtca    1080
ctggagaagt ggagcccaga ggttatctgg gtccacccca tcagggtccc cccatgcatc    1140
atgcctctgg tcatgacact cgtggccctt cctcacatga gatgaggga gggccattag    1200
gagatcccag actgctaatt ggagagccca gaggccccat gatagatcaa aggggtctac    1260
ctatggatgg tagaggtggt agagattctc gagcgatgga gactcgtgcc atggaaactg    1320
aggtcttaga gacacgtgta atggagagga gaggaatgga gacctgtgcg atggaaacca    1380
gagggatgga agcaaggggc atggatgcaa gaggattgga gatgaggggc cctgtccca    1440
gttcaagagg ccctatgact ggtggaattc agggtcctgg tcccattaat atagggcag    1500
gtggccctcc tcagggaccc agacaggtcc caggcatttc aggggtgggg aatcctggag    1560
ctggtatgca gggtacaggc atacaaggaa caggcatgca gggagcaggc atacaaggag    1620
gagggatgca ggggcaggc atacaaggag tcagtataca aggaggaggt atacaaggag    1680
gaggtataca ggggcaagc aagcaaggtg gaagccagcc tagcagtttt agtcctgggc    1740
agagccaggt cactccacag gatcaggaga aggcagcttt gatcatgcag gttcttcaac    1800
tgactgcaga tcagattgcc atgctgcccc ctgagcaaag gcagagtatc ctgattttaa    1860
aggaacaaat ccagaaatcc actggagcgt cttgaaaggt tttagaaaat atttggctgt    1920
agtctcaaat tttattctgt agcatggaga atgggtgcaa aaagctgact tctgtatccc    1980
cacacttgga ttagggtttc cctcctccta gaacctaatc ttatttttg ttctttttct    2040
ttctttctgt tttccttttt tttttaattg agggtggggg gaggaggag tgcgtctgtt    2100
cactttaagt tactttaaaa taactctgaa catgattata ttatgccaaa taagattaca    2160
aagaataagc agcaatattg aagcatctac agtatgttaa ctacattttt taaatgtcga    2220
```

```
gtaaaacttc gtgaaaactg ctcataaaga ctaaaagttg acctgttaaa acgttaatgt    2280
actaagatag ttttaagatt tttggttgta taacaaaata aaagtttacc caaaagtata    2340
agatacattt tttggtaaac catttaaaat acaaaatcct attttggagg caataggata    2400
agcattgtct tagtgtttta gaattatttt tgaaacagag ttaacaggat aaggttacac    2460
ttgtattaga attgtttttt tctaaagtta tgttacctga aaaatcaagg agtgcacctg    2520
atttactgtt gcttcattta tcccatcctt cagagaccag caaggttctg ccaggcccca    2580
agcatctgag catgatgatt ttgctgtgac aattctaaga tcaaccaggt tacttaagtc    2640
cgctctgatg aaacccagtc tctcaatacc ttcctatttc tcaatagtct ttaagcccta    2700
aatctgagtc agtaattctc taaaaatcct tcccaaaaat cagtgtctag ggactggttg    2760
atctagatga gttataaatg gtatttgact tttcataagt agtggaaggt ttcactaagt    2820
aaagatctga gtttcttggt atctgacgtt tgtatacaga tggtgtccat ttgctcaacc    2880
agacaggagt taacttgtat tagaattgtt ttttctaaag ttatgttacc tgagaaatta    2940
aggactgcac ctggtttaat gttgcttcac ttatcccacc ctacagagac cagcaaggtt    3000
ctgccaggcc tcgagcatcc aagcatgatt ttgctgtgac aaatctaaaa tcaaccaggc    3060
tacttaagtc tgctctgatg aaacccaata atctctcaat accttcctat ttctcaatag    3120
tctttaaacc ctaaatctga gtcagtaatt ctcttacatc cttcccaaaa atcagtgtct    3180
agggactagt tgatctggat gagttataca tgatatttga cttttcataa gtagtggaag    3240
gtttcactaa gtaaaactct cagtttcttg gtatctggct ttcttataca gatggtgtcc    3300
atttgctcca ccagacagga gttaaaaacc tttaaagagc atttaacatg ccttttagtt    3360
ttcttatttc ataatctact tttctatcat taatcatctt accaggaata atcaaggccc    3420
aggtaggtag aagtttttat atagcctgaa tactcacttg acttactgct cattttactt    3480
tttgcatgga atacagccat ttagtcctaa tatacatacc aatgagacaa ttaaaaattg    3540
gttggaagat ggagcttatc acattgtgct actacgactt tattttttct tgaaaataaa    3600
gccttgagga tgtgaacata aatgttggta tcataaaaca agtagtaata aaagcataaa    3660
ttatcaaata tcaggtgatc ttactatgga gaagaaaaac caatatctag ttacagatga    3720
aaaaatgttt aatacaaaga gctgaaaatg tagaaattga gttatcttcc ctttgcaaaa    3780
tttttacact ttaaattagt aattctttgt ttgcaaggtt ttcatcccta tgctgttgtt    3840
ttctactacc tgttttactc ttgttcatac tgctactttc cccatgtttc cctatatgcc    3900
ctccctata ttggagagga taactcgcgt ttacatatgt gatagttatg cttaatacta    3960
attcacagag ttggctcgat cattttgaga ttctagttgc tttatctcaa agctttcact    4020
gaagggctgt aactgaaaat tattaaatgt tagtctttag tcaaatctct gcattgtttc    4080
atgcagaaaa taaagataca attaaggctg aaaaaaaaaa                          4120
```

```
accacgccag gctaatttt gtattttag tagagacagg gtttcaccat gttggccagg    360
ctggtctcca actcctggcc tcaagtcatc ctcccgcctt agcctcccaa agtgctggaa    420
ttacaggcat gagccaccac gcccggccat cttcttgcca gcaactctta gaccaggaag    480
cctcggatgg cagctatgaa gtcctgtggg cggtcagcgt ggatccagtg gccagcgttc    540
ggcaccgtct gcatctgggc ccgagggaag agccgcataa tctcagggtg gtggctggga    600
tgcacgaact gggagtttcc accaaggaga aagagtgttg gcccgaggta ggactcctgc    660
ctctgtggga aagccaagat cttgtctagg tgctgggtca gggcatccaa gttcaccctc    720
cacacgaagc gcccgtctac ctctaccagg ttagtgagca ggtgctgccg cacggccatg    780
tcctggatga cagaactgag ctgttcatcc gccagttttc gggcacggga gcggggcagc    840
tcatctgcga tgttgatggc cctcatggct gccacgtagg ttgcaaagtg ggagacacct    900
gtgctttcca ctgggctgat atctacagca atgagacgtt ccaccagctc tggcctctgt    960
agtgccagca gcatggctgt ctttcctccc atgctgtggc caacgacgac gcagggcacc   1020
aggcccagct ggggcagaag gtcctgcagg tcctggctca tgatctcgta gctcatgtct   1080
gggctgtggg ggctgtcacc gtggttacga gcatccaccg tcagcaccct acggcctgtc   1140
tgctgggcca agatcttggc gatggagttg aagttagttt tgctgccgaa gagcccgtgc   1200
aaaaagacga cggccgggag ggctgcctcc ccgtccagaa gcctgtagga aagcggaagc   1260
ggcctcggct cggcgccccc tcggccgccg ctgctgctgc tgggtgcgac aggcaccctc   1320
gcgaagctag ggccgtgggg gccgagtccc tcacgcggga gcctccaggc tcgggtccag   1380
cggagcatgc ttgcaagctg ttggccggct cgcatctca                          1419
```

<210> 8495
<211> 2531
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(2532)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (104)...(2194)
<223> similar to gi5689776 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters


```
<400> 8495
ctccccaggg ccgagtcttc cggagtcagc agagagcctg gatggatcac aggaggataa     60
gcctcggggc tcatgtgcgg agcccacttt tactgatacg ggaatggtgg ctcacataaa    120
caacagccgg ctcaaggcca agggcgtggg ccagcacgac aacgcccaga actttggtaa    180
ccagagcttt gaggagctgc gagcagcctg tctaagaaag ggggagctct tcgaggaccc    240
cttattccct gctgaaccca gctcactggg cttcaaggac ctgggcccca actccaaaaa    300
tgtgcagaac atctcctggc agcggcccaa ggatatcata aacaaccctc tattcatcat    360
ggatgggatt tctccaacag acatctgcca ggggatcctc ggggactgct ggctgctggc    420
tgccatcggc tcccttacca cctgccccaa actgctatac cgcgtggtgc ccagaggaca    480
gagcttcaag aaaaactatg ctggcatctt ccattttcag atttggcagt ttggacagtg    540
ggtgaacgtg gtggtagatg accggctgcc cacaaagaat gacaagctgg tgtttgtgca    600
ctcaaccgaa cgcagtgagt tctggagtgc cctgctggag aaggcgtatg ccaagctgag    660
tgggtcctat gaagcattgt caggggcag taccatggag ggccttgagg acttcacagg    720
aggcgtggcc cagagcttcc aactccagag gcccccagg aacctgctca ggctccttag    780
```

```
gaaggccgtg gagcgatcct ccctcatggg ttgctccatt gaagtcacca gtgatagtga      840
actggaatcc atgactgaca agatgctggt gagagggcac gcttactctg tgactggcct      900
tcaggatgtc cactacagag gcaaaatgga aacactgatt cgggtccgga atccctgggg      960
ccggattgag tggaatggag cttggagtga cagtgccagg gagtgggaag aggtggcctc     1020
agacatccag atgcagctgc tgcacaagac ggaggacggg gagttctgga tgtcctacca     1080
agatttcctg aacaacttca cgctcctgga gatctgcaac ctcacgcctg atacactctc     1140
tggggactac aagagctact ggcacaccac cttctacgag ggcagctggc gcacaggcag     1200
ctccgcaggg ggctgcagga accaccctgg cacgttctgg accaaccccc agtttaagat     1260
ctctcttcct gagggggatg acccagagga tgacgcagag ggcaatgttg tggtctgcac     1320
ctgcctggtg gccctaatgc agaagaactg gcggcatgca cggcagcagg gagcccagct     1380
gcagaccatt ggctttgtcc tctacgcggt cccaaaagag tttcagaaca ttcaggatgt     1440
ccacttgaag aaggaattct tcacgaagta tcaggaccac ggcttctcag agatcttcac     1500
caactcacgg gaggtgagca gccaactccg gctgcctccg ggggaatata tcattattcc     1560
ctccaccttt gagccacaca gagatgctga cttcctgctt cgggtcttca ccgagaagca     1620
cagcgagtca tgggaattgg atgaagtcaa ctatgctgag caactccaag aggaaaaggt     1680
ctctgaggat gacatggacc aggacttcct acatttgttt aagatagtgg caggagaggg     1740
caaggagata ggggtgtatg agctccagag gctgctcaac aggatggcca tcaaattcaa     1800
aagcttcaag accaagggct ttggcctgga tgcttgccgc tgcatgatca acctcatgga     1860
taaagatggc tctggcaagc tggggcttct agagttcaag atcctgtgga aaaaactcaa     1920
gaaatggatg gacatcttca gagagtgtga ccaggaccat tcaggcacct tgaactccta     1980
tgagatgcgc ctggttattg agaaagcagg catcaagctg aacaacaagg taatgcaggt     2040
cctggtggcc aggtatgcag atgatgacct gatcatagac tttgacagct tcatcagctg     2100
tttcctgagg ctaaagacca tgttcacatt cttttctaacc atggacccca agaatactgg     2160
ccatatttgc ttgagcctgg aacaggtact tggagaaggg tgggaaggaa tctgcaggat     2220
tgcacctgcc tgcccctcaa ccccacccccc acccagctct gatgtccccg ggccagcatc     2280
ctgcccccgt ctcttcccac cctgggatct gcttcctgtc tccacagtgg ctgcagatga     2340
ccatgtgggg atagaggcgc tgtaggagcc tggtcatctc taccagcagc agcagcagcg     2400
aggttctagc ccaggagggt ggggtgcttc ttgtagccct cagctctcca gtctctgctg     2460
atgaaatggg ctccaagtgg cagtgccccg gtcccaggtg ccgngttact gcagcagtgg     2520
gaccttcctg c                                                         2531
```

```
          <210> 8496
          <211> 2103
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (1)...(2104)
          <223> n = a,t,c or g

          <220>
          <221> misc_feature
          <222> (1541)...(1802)
          <223> similar to gi248490 in the genepept database release 114,
             Run with FASTXY 3.3t00, default parameters



          <400> 8496
tttttttcaa tgtgaaaaca cttggaagat ggtttaatga tgttttacaa cagaaatgaa       60
ctgtacagtt acagtaagtt taatatatat ataaaaaatt acagcagaca aatgcatcta      120
```

```
cacaaaatct accacttcat tctgattcac tgtcacctac acaatctttc ccaagcctac     180
agcccctgca ggcagcccta ggaggggggaa tcatctaaag ggcacttttg agagagacag   240
caccgctcat attccccgcc acctcctcag gcttcaggag gcatcagcta attccccaaa     300
atgtaaagtt gcctgtgttt caggttttca aaaccaagaa aacgtgtgtc tcccagggggc    360
acagataaca aggtccagca cgcaagttat cagctgattc ttagaaaata ttcctatcag     420
aggggaaata tttggctaac aggcactctg gggcagtaag gctacacaat agccacccag     480
agtgcagagt tatctaagag aaatgtagaa ggactcccaa taaaccacct cagaattgtc     540
actgcctcat tcaagctgct ggacaatttt ggaaagaatc atttacacca catcttaagt     600
ttccacaaag aagaactcaa actcacattt taaagtacat aaaacaaaaa gttctaggag     660
gccggggggcc aattccccctt gtgcccctcc tttgacaaca gtggacaaac acccctgaat    720
taataattaa gacaaaaaag gaagaaaaaa aaagtgagtt aagatattga aagagagaaa     780
gaaaacatct ttagaaaaac acgatcactg tctctttaaa agaaaacaaa atcccagttg     840
ggaacagtaa tgaggaatat gcaatctaaa ttgacacctg gtgggagatt attattgaat     900
attatgtaca ctcagaactt ttttcatttt cttttttatt atgaacacct aggcagtgaa     960
aactgttatg ttaatacata catagacaca cccaaaacat acaaaaatac tattatttca    1020
aactactaag aataggacag ttcaattatt ttcatgctat gactttaaga gcattacact    1080
gaaacaaaca agaagttaaa cgacatttt tttaatatcc cagaaatata ccaaaatata     1140
catctaagct ttggaattac tgaggttaga ctaatgcaag tgctgggtaa tcgtacttaa    1200
tacacgagtc taaggttctg caggaaagaa attatctttg gtatctgcat caggctaata    1260
ttattaacat ttggattttg ctttgggata gagcttgtgt gacccaagaa ccaagtaccc    1320
ccctcccccca accaactgag attaaaaaga tccatgtaaa aagttccttc atttgcaatc   1380
ccccccacccc ccaagttaaa aagtcacagg catctaccta gcacaaaagg ttgtgaagta   1440
caatgcatag ttgcacagtg gtgctgcaaa aaggaaagaa aactacaata aagagaaatg    1500
aaaagcttga taatctttct gcatgttttc tcacaaacag gacagccact tccaagcagt    1560
tccagtacag gaaaagaaaa aaaggctcag aagggcaccg tggcgtgcat tcgcccagcc    1620
ccagaggtta aagcacccag cagagcagcc aatcgtgcgc cagtgtcttc aacgtccccc    1680
actctgtgga gtcctcgggc cagtccagca gcagctccca ccctccctag gccctgtgct    1740
aagtccccat agtgaccctg gttggtgtag ggtggatgat ggtggtgatg gggtttttttg   1800
acttttgttt tggaaaatct gaaatgccaa tttgtttcag ggcatgctca caagtttgtg    1860
agggccaaag ctaggggcat gcacctgtgc tggaccctgg aaggtggtaa gcagcttgcc    1920
tgcccttttct gatccagtca gagggtcccc ccgcccccacc ttccctggcc tcactctttt   1980
aagtgccagg acaccacaga ctggactgat gctgaagact tcccttttct taagtttgta    2040
aaaaagttgt gagtaaaata caatcattaa gaaatctttg gtttcgggta gntctctcgc    2100
aat                                                                  2103
```

<210> 8497
<211> 2040
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (956)...(1502)
<223> similar to gi4884453 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8497
```
atgctcctca tcccccttgtt tccatgacgg cacgtgcgtc cttgacaagg ctggatctta      60
caagtgtgcc tgcttggcag gctatactgg gcagcgctgt gaaaatcttc tggaggctgg      120
gaagtccaag atcaaggcgt cagaagattc attgtctgtc cttgaagaaa gaaactgctc      180
```

```
agaccctggg ggcccagtca atgggtacca gaaaataaca gggggccctg ggcttatcaa    240
cggacgccat gctaaaattg gcaccgtggt gtctttcttt tgtaacaact cctatgttct    300
tagtggcaat gagaaaagaa cttgccagca gaatggagag tggtcaggga aacagcccat    360
ctgcataaaa gcctgccgag aaccaaagat ttcagacctg gtgagaagga gagttcttcc    420
gatgcaggtt cagtcaaggg agacaccatt acaccagcta tactcagcgg ccttcagcaa    480
gcagaaactg cagagtgccc ctaccaagaa gccagccctt ccctttggag atctgcccat    540
gggataccaa catctgcata cccagctcca gtatgagtgc atctcaccct tctaccgccg    600
cctgggcagc agcaggagga catgtctgag gactgggaag tggagtgggc gggcaccatc    660
ctgcatccct atctgcggga aaattgagaa catcactgct ccaaagaccc aagggttgcg    720
ctggccgtgg caggcagcca tctacaggag gaccagcggg gtgcatgacg gcagcctaca    780
caagggagcg tggttcctag tctgcagcgg tgccctggtg aatgagcgca ctgtggtggt    840
ggctgcccac tgtgttactg acctggggaa ggtcaccatg atcaagacag cagacctgaa    900
agttgttttg gggaaattct accgggatga tgaccgggat gagaagacca tccagagcct    960
acagatttct gctatcattc tgcatcccaa ctatgacccc atcctgcttg atgctgacat   1020
cgccatcctg aagctcctag acaaggcccg tatcagcacc cgagtccagc ccatctgcct   1080
cgctgccagt cgggatctca gcacttcctt ccaggagtcc cacatcactg tggctggctg   1140
gaatgtcctg gcagacgtga ggagccctgg cttcaagaac gacacactgc gctctggggt   1200
ggtcagtgtg gtggactcgc tgctgtgtga ggagcagcat gaggaccatg gcatcccagt   1260
gagtgtcact gataacatgt tctgtgccag ctgggaaccc actgcccctt ctgatatctg   1320
cactgcagag acaggaggca tcgcggctgt gtccttcccg ggacgagcat ctcctgagcc   1380
acgctggcat ctgatgggac tggtcagctg gagctatgat aaaacatgca gccacaggct   1440
ctccactgcc ttcaccaagg tgctgccttt taaagactgg attgaaagaa atatgaaatg   1500
aaccatgctc atgcactcct tgagaagtgt ttctgtatat ccgtctgtac gtgtgtcatt   1560
gcgtgaagca gtgtgggcct gaagtgtgat ttggcctgtg aacttggctg tgccagggct   1620
tctgacttca gggacaaaac tcagtgaagg gtgagtagac ctccattgct ggtaggctga   1680
tgccgcgtcc actactagga cagccaattg gaagatgcca gggcttgcaa gaagtaagtt   1740
tcttcaaaga agaccatata caaaacctct ccactccact gacctggtgg tcttccccaa   1800
ctttcagtta tacgaatgcc atcagcttga ccagggaaga tctgggcttc atgaggcccc   1860
ttttgaggct ctcaagttct agagagctgc ctgtgggaca gcccagggca gcagagctgg   1920
gatgtggtgc atgcctttgt gtacatggcc acagtacagt ctggtccttt tccttcccca   1980
tctcttgtac acattttaat aaaataaggg ttggcttctg aactacaaaa aaaaaaaaaa   2040


                <210> 8498
                <211> 1664
                <212> DNA
                <213> Homo sapiens

                <220>
                <221> misc_feature
                <222> (1386)...(142)
                <223> similar to gi5052349 in the genepept database release 114,
                   Run with FASTXY 3.3t00, default parameters



                <400> 8498
      ttctgtgaat taaattaaaa gtttatcatt ccgtacaaac gcactcattt tcaacaaaca     60
      agttttttac acgagccgcg gttggccccg gttggtggca cgtggggagc ggccccgcgg    120
      cggcgttctc gcgggcgggg tcacagcggc tccaggtcct cgtccccgca tgcgtactcg    180
      tacaggtcca cggcgcccag cggtgagggc gcctcgaaga agggcctctg ggccagcggg    240
      gagcgcagcg cactcagctt ctgctccacg gggctgagct cggcctcgaa cccgtcctcc    300
      cagggctctc ccgcggtctc ctcggccacc aggatgtcgt actcctcggc cgcgtacttc    360
```

```
tcccagtccg agagctcggg gccgccgctg tcaccgtccc tgagcaggga gatctgctct      420
ttctgctcgt ggtcgaggta cttctcgatg ttgaagaagg tgtcgaagaa gacgttggcc      480
agcttgcagc gcttcaggtc ctgcagcgtg atcttccctt cagtcctcgg cttgaccagg      540
tccagcatct ggcagaggca gtcctggaag ggcagggcct cgatggccat gctgtccagc      600
cttcggcact gctcctcgta gaagtactcg agctcgaaca tggacagggc gccgtccccg      660
tccaggtcca tgcagcggaa ccagtactcg atgctggtcg gtgttttttt gtcttcctca      720
gagatcaaaa accagacaaa gtcggcatag ctgatcttcc cttccttctg cacttttctg      780
cctcgtgtga ctgctcctga gaagatcctg tctatcatct tggtagaaag ggcgtggtca      840
ttgtgccgcg ccaggtcgtc cgcgtcgatg agcaggtcgt ggtccgtgtc cagctcccag      900
aacttgcagt agatgacgta gaaatgctcg tacgagaaga attcggtcag ctggttgatg      960
tccgcctcct cctccagcag cgccacattc tgcaggaagg agctcctccg cagctcggcg     1020
caggtgatcc tgccggacca ggaccggttc acggcgtaga agatccgctg gatgaccgtg     1080
gtgatgtagc gcgagtggaa ctcggacgcc tccttcagga acgacagccc cgggtgcgtg     1140
ttcaccacgt cctgcaagaa ggggacaaag tcctcctgca ccaggtagtt gcagccgggg     1200
ctcatgagca gatggacgaa cttggccgcg tcgtcgtggc agttctggag gatttttctc     1260
cacatggcga cgaacttgtg gacggacacg gagcccgtgc gctccccgcc ggcgccatag     1320
aagagcggcc ccttccagta gagggggcag ccgcaggcct tggccaccag gcccatgtcg     1380
tccatggtgg ccctctcgtg ggggaaccgg gcgaaggtgc tctcgatctt gctgatgacg     1440
gcatccacgt tgacggagtc ctgcgggcgt cctctaggga agtagaaggt cggaatgctt     1500
tggctcgtgg ccggggggcag aggctcttct ttccgtgtct gaacctgctg gaaggccttc     1560
agacgcttct tgactcgaga gggcagcacg aagtcgcagc cgcgggccag tgagaccagc     1620
tcctggcgca ggtcggggtc ctggcgcagc gagcgctcgc ggag                      1664
```

<210> 8499
<211> 1390
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (864)...(362)
<223> similar to gi4768844 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8499
```
tttttttttt ttgcccggca agaaatcatg tttattcaca ttccccaccc caccacctga       60
gagtcacttt cactccaagc cctgggcctg acgggagggg gccaaagagg ggggctgcct      120
aaggcagggc ccagacccca cagtgtgggc ctctggagct gtgtctttac tcttgctgcc      180
gatcaatccc atgctctgaa atgcgcacac tctggctcct tagtagatgc cataggtggg      240
ctcatgactg tccctgtacc ggtccaggta gcgcaggggc tgccggtggg ggaagcgctt      300
ctgcttgggg tggtaagggg gcggccgcac gaactcaaac accggctccc gcatgtccag      360
aagctggtgg aagatgtagg tgacggagtc atcccagcgg cactggaaga aggacaagcc      420
ggctggagtc atggtttctt ggtgtttctt gtagaaatca aaagtgcgga aggtccgctg      480
ggccagctga tagcagggtg aggggcgtgc gtcctcagag aagtcaatcg ctggtcctg      540
cttgaagagc aggaaggcaa gacggtggat gccggagcct cgggcaggga aggggggag      600
gtagggacac gtcacctgtc cttcagccac ccggttaccc gggatgttgg ttagcagcca      660
gtggaggtac tcagcatctg gctccagcag gtgcccatcc aagctagtga gtagcaacgt      720
ccacaaggag ccctcttctg cctcataggt cacctctggc gcttgggcag cctcggttgg      780
agtcacctca ttgccacagt acacaggcat caggtcatcc tcacccacag cgtaggccac      840
gtgcagggg actcggggca caaaggtggc accgtggaac aggtctcggt agaggccgta      900
```

```
atactcagcc agacgctgct tgtggtaggg gccacaggtc ctctcccact cggcccgcac     960
ggcatccagc gggacactgg ctgtgcggag gcgggcagcc cgctcctctt ccacattggc    1020
ccgaagctcc tggatggcct gtttccgttc cagtagctgt tgggtccggg agactttggg    1080
tggaggcagc ccaatatcaa tcttctcttt gggatctgtc ttctccccga aatactctcg    1140
gtaggtccgc caccagtgcg gggcctgcgc ctcctgctct gcccggcgcc ggtagcggtc    1200
gaagctccgg tacttctcca gccgctccag gttgctcaag tcgatgtcac tgttgggcat    1260
cggccccagc gggggtgtcc ggcggcccag gacggccgag gtgctgaagc cccgccatct    1320
ccgacactcg cacagcgcgg ctcgccacca gggcgccgcc atcttccctc cggcctgcgg    1380
aattccacca                                                           1390
```

<210> 8500
<211> 2196
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (12)...(435)
<223> similar to gi6006684 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8500
```
agcctcccaa gatggcggtg tgcatcgcgg tgattgccaa ggagaattac cccctctaca      60
ttcgcagcac ccctacggag aacgagctga agttccacta catggtgcac acatctctgg     120
acgtggtgga tgagaagatc tccgcaatgg ggaaggccct ggtcgaccag agggagctgt     180
acctgggcct gctctacccc acggaggact acaaggtata cggctacgtc accaactcca     240
aggtgaagtt tgtcatggtg gtagattcct ccaacacagc ccttcgagac aacgaaattc     300
gcagcatgtt ccggaagcta cacaactcct acacagacgt gatgtgcaac cccttctaca     360
acccggggga ccgcatccag tccagcaggg cctttgataa catggtgacg tcgatgatga     420
tacaggtgtg ctgagtgagc tgtgctgcca gccatcgcag aggagcccgc gcacgactgt     480
ggtgggccg tcggtctgtt ctggttgcct cttcctgaat gggacgcctg gggctttcag     540
ggcaggcagc tgtgcatgtt ctctcaacta aaggtcttgt gagaggagat ttggcttttt     600
ccttccgtgt cagccaagga tttaattaag aagaattcaa ctaaggactt ttctggggtg     660
tgggcagagg tttgggatca gatggcgcag gtagcctgtc ctcagttgtc ccaaaggggc     720
agaggcaggg gtgcctggag ccaagagttc ctgagcctgc aggacctgtg accatgtggg     780
tcacccactg gctgaacagg tgggctggtc tggagggggt ggcctcctga gcccagaacc     840
agcctaggat ctaggggcac aaggggagcc ggcgtggctt cccacagggg agggccctcc     900
tctttctgga cttggcctcc attctttgca tctggctcaa tggctggatt ccgcccggcc     960
ttaaaaggag cccttgtgaa acctgggaag cctcgtggcc ccgcggcgtt ggctcagctg    1020
cagccctggt cctaaacctt ggagcgcaga cttgaggcac cccctcctgc ctgttggtgc    1080
tgaggggggtt gggtgctgtg tcacttgatg acgtggctga ctaccaccca gggcagcggc    1140
cgagcccata gtggcgtcag tgccgccggc gtccttgggg tccagcggtc aaggctcagc    1200
ccgctgaggg gaccccccccg gagttggttc cagcactggt ccaggactgg agagtttctc    1260
aaggaccttg aggaccccag aagcccttgc agcaggaaag gctgtaaggg ggggtcagcc    1320
tagggcagga cctagggagg ggaactttct tgatacgtat ttgccttttc atcccatcta    1380
gcaagcacag tgttaatttt agaaattata gaagaaaaaa tcagcaagga gtgtgggaaa    1440
actgcatgcc ccaggcctcc cccgccccag ggtgaattgg aagccctgga atgggccgag    1500
gcacaccagg cagctgatct gggtgcatgt gggccacaga ccactctcac aaggttaaat    1560
ctttaacaag agcctcatgt ttgttaggag aaggtgggac cccagcccaa gcacttcccc    1620
attgcagcct ggcatgaaat ctttgccttt tagtgggggat cactcctgcc cgagtcctgg    1680
```

```
ctgtggtggg gactctgcaa gttgctaacc cagcgtccat tctctttcct ccgtactaac      1740
agaaccccgg tgcctctgcc ccagttccaa tagcgggcag acgagagcca tgtcctgggc      1800
tcccttgcag cccgggggtgt gcagctgtgg cgtggaggtg ggtggtgctg ggagagactt      1860
gcagggaagc tcctgtgaag gggactcagc tgccacatgc aggacccttc ccctttgcct      1920
tcttcctgcc tggaacatgg atgtgatggc tggtgctggg acagctgtcc tgagagcgtg      1980
aggaaagggt cacaccctaa ggacagtgga gcagaacaca ggaaggaccc tgggcctttg      2040
ctgacgcaga acgcgggaag gacgctgggc ctttgctgac gcagaacgcg ggaaggaccc      2100
tgggcctttg ctgacatacc agccccagac tacttaaatt cagctttttt ttaatgtgag      2160
aaaataaatg caccccctctc tggtttaaaa aaaaaa                               2196
```


<210> 8501
<211> 3039
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (725)...(3005)
<223> similar to gi604908 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8501
```
tttttttttt ttgagacgag gtggaggggc ggggggttctc gctatcttgc tcaagctgat        60
ctcgaactcc tgggttcgat caatactcag acaatcttgg caggcgcagg aggaccaaat       120
tctagtgaat gagatcgagt ctctcggctc tttcccttcc atgttttctt tttgattggc       180
cctcgacgat cctcagtgac gcctcccgca ccgcctcacc cgagagtcag ccgccctcgc       240
ttttccgtgc gcacgcgcag tatcccgatt ggctctgccc tagcggattg acgggcaggt       300
tagccaatgg tctcgtaata taggtggagc gagccctcga ggatgtccac gacccggcct       360
ctcgctgaat attcatgagg gaggcgggtc gaccccgctg cacagtccgg ccggcgccat       420
gaagtgagaa ggggggctggg ggtcgcgctc gctagcgggc gcgggggggtc ttgaagatgg      480
ggtcatcggt gggcgcgcct gggtccccaa ggggggcgagg ggagggtgaa ggggtgggac       540
ggggggcagcc gcagggagca gcagtgatag cgaggagaca ctgaggggggc cccgaggctc      600
ctgaggacct gagggttacc ggggggcgccg ggcccgtcac ccttctctgg gctcgacgac       660
cgggcactgt ggaggcggga gagggggctga ggggacggga actgacccag cagcccctgc      720
cgccaggctc aacgtggacg ggctcctggt ctacttcccg tacgactaca tctaccccga      780
gcagttctcc tacatgcggg agctcaaacg cacgctggac gccaagggtc atggagtcct      840
ggagatgccc tcaggcaccg ggaagacagt atccctgttg gccctgatca tggcatacca      900
gagagcatat ccgctggagg tgaccaaact catctactgc tcaagaactg tgccagagat      960
tgagaaggtg attgaagagc ttcgaaagtt gctcaacttc tatgagaagc aggagggcga     1020
gaagctgccg tttctgggac tggctctgag ctcccgcaaa aacttgtgta ttcaccctga     1080
ggtgacaccc ctgcgctttg ggaaggacgt cgatgggaaa tgccacagcc tcacagcctc     1140
ctatgtgcgg gcgcagtacc agcatgacac cagcctgccc cactgccgat tctatgagga     1200
atttgatgcc catgggcgtg aggtgccccct ccccgctggc atctacaacc tggatgacct     1260
gaaggcccctg gggcggcgcc agggctggtg cccatacttc cttgctcgat actcaatcct     1320
gcatgccaat gtggtggttt atagctacca ctacctcctg gaccccaaga ttgcagacct     1380
ggtgtccaag gaactggccc gcaaggccgt cgtggtcttc gacgaggccc acaacattga     1440
caacgtctgc atcgactcca tgagcgtcaa cctcacccgc cggacccttg accggtgcca     1500
gggcaacctg gagaccctgc agaagacggt gctcaggatc aaagagacag acgagcagcg     1560
cctgcgggac gagtaccggc gtctggtgga ggggctgcgg gaggccagcg ccgcccggga     1620
gacggacgcc cacctggcca accccgtgct gcccgacgaa gtgctgcagg aggcagtgcc     1680
```
```
                                  7083
```

```
tggctccatc cgcacggccg agcatttcct gggcttcctg aggcggctgc tggagtacgt      1740
gaagtggcgg ctgcgtgtgc agcatgtggt gcaggagagc ccgcccgcct tcctgagcgg      1800
cctggcccag cgcgtgtgca tccagcgcaa gcccctcaga ttctgtgctg aacgcctccg      1860
gtccctgctg catactctgg agatcaccga ccttgctgac ttctccccgc tcaccctcct      1920
tgctaacttt gccacccttg tcagcaccta cgccaaaggc ttcaccatca tcatcgagcc      1980
ctttgacgac agaaccccga ccattgccaa ccccatcctg cacttcagct gcatggacgc      2040
ctcgctggcc atcaaacccg tatttgagcg tttccagtct gtcatcatca catctgggac      2100
actgtccccg ctggacatct accccaagat cctggacttc cacccccgtca ccatggcaac      2160
cttcaccatg acgctggcac gggtctgcct ctgccctatg atcatcggcc gtggcaatga      2220
ccaggtggcc atcagctcca aatttgagac ccgggaggat attgctgtga tccggaacta      2280
tgggaacctc ctgctggaga tgtccgctgt ggtccctgat ggcatcgtgg ccttcttcac      2340
cagctaccag tacatggaga gcaccgtggc ctcctggtat gagcagggga tccttgagaa      2400
catccagagg aacaagctgc tctttattga cacccaggat ggtgccgaaa ccagtgtcgc      2460
cctggagaag taccaggagg cctgcgagaa tggccgcggg gccatcctgc tgtcagtggc      2520
ccggggcaaa gtgtccgagg aatcgacctt tgtgcaccac tacgggcggg ccgtcatcat      2580
gtttggcgtc ccctacgtct acacacagag ccgcattctc aaggcgcggc tggaatacct      2640
gcgggaccag ttccagattc gtgagaatga ctttcttacc ttcgatgcca tgcgccacgc      2700
ggcccagtgt gtgggtcggg ccatcagggg caagacggac tacggcctca tggtctttgc      2760
cgacaagcgg tttgcccgtg gggacaagcg ggggaagctg ccccgctgga tccaggagca      2820
cctcacagat gccaacctca acctgaccgt ggacgagggt gtccaggtgg ccaagtactt      2880
cctgcggcag atggcacagc ccttccaccg ggaggatcag ctgggcctgt ccctgctcag      2940
cctggagcag ctagaatcag aggagacgct gaagaggata gagcagattg ctcagcagct      3000
ctgagtgggg cgggtggggc cataaacggt tcctggtga                             3039
```


<210> 8502
<211> 2181
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2092)...(1477)
<223> similar to gi5102729 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8502
```
cagggccctg agcgggtgat ccctgggctg gacaccaagg ttgagaagtt aggccggcag       60
cgtggagggg ccagcactgt gggggggtggc ccggtgtggg gagggaacat ggggtttttgg     120
gacggtcaca ccacttcatc tagacaccac agccaggcac atctgtcagg cttagttctc      180
ccatgcgcca tcctcaagag gcaccagcac tttatctgtt gagcctttat gtggcaccaa      240
ctgtgtgcac tattacccgg ttttacagat gatggaggcc cagaagcagg aggtggctgg      300
tgttaggtca cacagctagg aggcagcaga acggtggggc gctgcctgtg ctcttaaccc      360
ccaggccaag tcaccccatc aggcagtcag gagggctggc ggcaggggggt gatgtgggtg     420
ggaggtagtg ccttcttggc attctcaccg cagcctgggt gccgggtgcc actctgacct      480
cagccatggc agggtcgggg gatgccgatg ggcgctgcac gggctctcag aggcccctca      540
cctatggcca tggccttgac tgtgggggcc tctgtccacc gatgatctcc cttcatcccc      600
tacaggtggg gcggtccagg gtggtggggg cacagtggcc ccgggcagtg accacagggt      660
cctgacccgc ggccccgca ggcgggctgc atgctgttcc cccacatctc ccctgtgag      720
gtgcgcgtgc tcatgctcct gtactcgtcc aagaagaaga tcttcatggg cctcatcccc      780
tacgaccaga gcggcttcgt cagtgccatc cggcaggtca tcaccacccg caagcaggtg      840
```
```

                    7084
```

```
tgccagccaa gcacagcccc tctgggggaca gagggggatt agaccccact gccctggttg      900
ggcagccaga cttggtgtgg gcggagtgtg atgcgatggc tggagcaagg agctgcaggg      960
gagcccggag gatgccgggc gggttcccac ccagggctcc atggaaaagc ggccactggg     1020
cggctctgca gggcaggagg gtgggtcttg gcgcggcggc agggaagcca gcggagcggg     1080
gagctgggca ggggttggga ttgtcctgcg gctggaaggc cctgcctggt aaccatgtgt     1140
cctggtcatg ccttgccagt tgaggcagac tctgcaggtc ctgtgcacca ggtgagggcc     1200
gggacctgtc tcaggccact ggggagccat gggggggctgt gagcagatga ggggcagggc     1260
ctgttcccct gggactagag aatggaccca gctggggcta acaggccaag gctcggaggg     1320
agggatggca ggccccagga cagacagaca ggtttcccag gagcctgggc ccctcttccc     1380
accccgttcc cttccaacag gcagtgggac ctggtggtgt caactcaggc ccagtccaga     1440
tcgtcaacaa caagtttctg gcatggagtg gtgtcatgga gtggcaggag gtgagcactc     1500
ggcagcccag ggacttggga cccccagatc ctcacggact gtggctggga ggggacactg     1560
gcattggggg tctccagccc tgagggctcc tctttgcctc tcccccaaaa gcccaggcct     1620
gagcccaaca gtcggtccaa gaggtggctg ccatcccacg tctacgtgaa ccaggggggag     1680
atcctgtgag tgctgggctg ggggggtggag gcagcatcca ggggagctgg ggcttcctga     1740
ccctcgtccc tttgtgcccc acaggaggac cgagcagtgg ccaaggaagc tgtacatgca     1800
gctcatcccg cagcagctgc tggtgagggg ctgggcccgg gtgctggagc ctgcacgcag     1860
tagctcttcc agagggcggg gctgggggca agagcgcctc cccaggtggc ctgagctggc     1920
tgtgagggag cggagctgag ggtgctgaag caggtgtggt gggtagctcc tcaggcttgg     1980
cttcaagggg tcccaggcag ccagctggtg gctgtgcagg gactgagcgg ggcaggggca     2040
gccacgacct gcacctgggg ggctgccaag ggatctgaga gcggcttcca cagcactcca     2100
gggttgggct ggttgagcgg tggagatgac gtttcctgag gtagggagga cagggggagtc     2160
tcagtttggt cctgggcccg g                                               2181
```

<210> 8503
<211> 2242
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1544)...(1261)
<223> similar to gi3880445 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8503
```
tttttttttt ttaaaagaaa aaatttcact ttaatccagc ctcacccca catgtgtgtt       60
tcacacagac cttattttttt aaacagagtt tattgtattt aatacattat aaaatttgaa      120
aaattgtagg aaagcagcag acttgaactg gagcaattct aacaaggaat aattctggcc      180
ccttggcaaa actgatcagt tttaaaacaa agtaaagttc acatctgtga ggtggacaaa      240
aaagtgtgac ttctgtacaa actacattta aaatttcatg tctaacatct ttgcaatgtg      300
ctcatgaggg ttttctgaa gtcctgcctg gtccctgcct aaagaaagac gtggaacctc      360
catatacaaa caaacttgat tcaaggtgtt ttgtttgttt tgttttttta aaaaaaaagg      420
aaaaagaaag acaaaggaaa aaagaaatat ggatggctgt tgttggcaat ggaaactgta      480
aggagactgg tgtcctcacc actcatggct tgtttatttg tcagaggcct cgggaggccc      540
aggacacttc acggccatca cagcaccaac tgcggctgtc ccctttttttt tttttctttt      600
ttgcatttcc tacctttttga catatatata tatatttata tatttttttac accttgagga      660
tatcactatt ccaattgttc ccatatgaat acaggtgtgg tctctattgg atataaatgt      720
gtcttttatt cgattttacg tccaggactt ggtttgctgt cccaactgca cataaatgtc      780
cctttttttgt ttgagttatt ggttgtgtgt gttttccttt ttgcataaga aatatgtcca      840
```

7085

```
tttagtccag aggctcttgc tttatccgga tgacggaggg tacacggggc gtccgcctca    900
gttcccgccg aaggacgtat tcgctgaact gggacgagtc tactcctccc ccacaggagc    960
ccacgatttc aaatcctctt tgctgcaacc tctcgaggac ctggactgag ttgaggtgac   1020
agtagccatt tagtggaaac ctgatgacgt gcgtcgagtc gtgattccag cctgcattga   1080
cagagttaca catcacgtcg ccgatctctg gaaatacttc ttctatcaag gatttgtcac   1140
cgcttagcgt gatcctttct ccgaggtctg gggccacacg cacgacgagg cactcacagg   1200
gccttgaaaa tcgaccagtt tctctgtcct gcttccatct ttccatctcc aacaacatgg   1260
gctgaagctg aaaatatttt gcctcttcat ataacaaagt gtagtccttg aaatcatcag   1320
gaatgaggag tttggatgtt cgtagaaaat tcaagatata tctgaacatc tgtccatctc   1380
tgtcaatgaa atagtgctgt ttgagactgt ccaaaacaat gggctctgta ccatcaaaaa   1440
gtcttccgat tctggattca gggtatttgg tgagggtggc caggctgctg gtgtacatgt   1500
ggccgcccac atcaatgtgg acaggcgcat tggattttgt gagttgtgct ggagtaggga   1560
tgccttggtt gttcagtgga gatgcagggg atctagtgat cagaggtctt gacatattgg   1620
gccgactgtc ctgggtgggg gaaacaatag caggtgaaac tattgtggga gaattggtgc   1680
ttctgtgccc attggcttct ggaagaagag gcaggggggtc gtgtttcacg gaaaccacca   1740
ccaccgcatc cacaggctcc gaggggcgga tacaaagtct tttggggggaa gtggggccgc   1800
agatttcccc cgacccgaac acagactcgt acagggcgcg cttgggcgca gcctcggatt   1860
tcacgtcggg cccgacctgg ctgtctttgg ggaggatgaa aatcgcttga acctgggagg   1920
cgaagtttgc aatgagccga gattgcgcca ctgcactcca gcctgggcaa caagagagaa   1980
actccgtctc aaaaatgaaa ataaaataaa taaaaatgaa acagcctttt aagaatgcaa   2040
ttattaggca acgtcttcaa aagccatgaa aatgttcata tgctttgatg cacaaattgc   2100
ttctagaagt tcatcttagg aaatatcctg ctttacttgt agtttggtaa agtttggttt   2160
attgcatcca ggccacttgg acaaatgaat tttgtggtat atgtcacaaa ctatgctgta   2220
gaactgcatt ttatactgtc tt                                            2242
```

<210> 8504
<211> 1034
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (907)...(182)
<223> similar to gi3805976 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8504
```
tttttttttt ttaaatattt taaaattttc tttatttcag aactgccttt atgtacagac     60
atcatttaaa aaatgcacat acaatggaga ttttccaagg aacaggagct ggaaataaaa    120
tttaaggaca ttattagaac tgaaattgtc ccagagaagt tctgaggatc aggattcctt    180
aaatgtcctt gataacctct tcaagttctt cctttgtgaa catgtggaaa ttctggccag    240
gctgcactgt ggctagctca atgtttgttg cattcagctt ctcctccatt acttgtttga    300
ggatgatgag tgaagacttg atggcttctt tcaaagtcat agacttgtgg taaacttctt    360
gcaaggagct ctgggcaccc tctgaagcag agccaattgc tcgagcatca cactgtacaa    420
aggtcccaga tgggtccata tgaaacagct ggggtccttt ctcatcaact cctccaaata    480
ataatgctac tccaaaggga cgagacatgg cacctggatc tgcatcttct tctccaaact    540
gcaaagccag attggacaca gcttgggtca cactctccac tgtcattgtc tcattgtagg    600
tgaaccagtg gttctgtgtc tccactctgg ctttatcaat taaagtctta gcatcagcaa    660
ttagcccact catggcacaa cctatgtgag catcaatctc tacaattttc tcaatgctgc    720
tgggctccat cagtggggaa gtaattctct tctccacagc taggcacaca ccctctgatg    780
```

```
tctggatccc aatggctgta gaaccaagct tgatagcctc aatggcatat tccacttgaa    840
ataatcttcc ttcgggagaa aaagtattca cgcccctgtc gtactcagac cgggtaagaa    900
acatggcgag ggtaggagga ggcagcggct acgcggggat tctgaggacc aacacgactc    960
caccggcacc caactcaccg gcagccaact cacccacacg ccgcgaatt ccaccacgct   1020
ggactagagg tcgt                                                      1034
```


```
<210> 8505
<211> 1458
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (104)...(1325)
<223> similar to gi4803735 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```


```
<400> 8505
cggccctccc atgtgcagcc cggccagccg ggctctcctc ctcgcggcgg atgggtgacc     60
ttttcctggc acgggcaggc tgtgggaggc agcggagcag gcgatgaaga agaagcagca    120
gcatcccggc ggcggcgcgg atccctggcc ccatggggcc cctatggggg gcgcccctcc    180
gggcctgggc agctggaagc gtcgggtgcc cctgctgcct ttcctgcgct tctccctccg    240
ggactacggc ttctgcatgg ccaccctgct ggtcttctgc ctgggctccc tcctctatca    300
gctcagcggg ggacccctc gcttcctgct cgacctgcgg cagtacttgg gaaattccac    360
ttacttggat gaccatggac cacctcctag taaggtacta cctttcccaa gccaggtggt    420
gtacaacagg gtaggcaagt gtgggagccg tactgtggtc ttgcttctga gaatcttgtc    480
ggagaagcac ggatttaatt tggtcacatc agacattcac aacaaaacca ggcttactaa    540
aaatgaacaa atggaactga ttaaaaatat aagtactgcc gaacaaccct atttattcac    600
tcgacatgtt catttcctca acttctcaag gtttggagga gaccagcctg tctacatcaa    660
catcattaga gaccccgtca accggttctt atccaactat tttttccgtc gctttggaga    720
ctggagaggg gaacaaaatc acatgatccg cacccccagc atgaggcagg aggagcgcta    780
cctggatatc aatgagtgta ttcttgaaaa ctatcccgag tgctccaacc ccaggttatt    840
ttacatcatt ccgtactttt gtggacagca tcccagatgc agggagcctg gtgaatgggc    900
ccttgagaga gcaaagctga acgtgaatga aaacttcctg ctcgtgggga ttcttgaaga    960
gttggaagat gtgctgctgt tactggaaag atttttacct cattacttca agggcgtgct   1020
cagtatctac aaagacccag agcacaggaa gcttggaaac atgactgtga cggtgaagaa   1080
gactgtcccc tctcctgagg ctgtgcagat cctctaccag cggatgagat acgagtacga   1140
gttttaccac tacgtcaaag agcagttcca cctgctgaag cgcaagtttg acttaagtc   1200
tcacgtcagc aagcccccc tgaggccaca cttctttatc ccaactccac tggaaaccga   1260
ggagccaatc gacgatgaag aacaggatga tgaaaagtgg ctggaagata tttataagag   1320
gtgatgtgac tgtgttgcct ctatggcttt atctcccttt tccagaaagt tctttgtttg   1380
gggaagtaaa atccttaagg gactaaatta atgcttgggt gcattaaaaa gaacaaaaca   1440
ttcccacatg ttggggtc                                                 1458
```


```
<210> 8506
<211> 795
```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (94)...(373)
<223> similar to gi2296344 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

    <400> 8506
agcccagcgt ggtggaattc gcagcaaaga gtagtcagtc ccttcttggc tctgctgaca   60
ctcgagccca cattccatca cctgctccca atcatgcagg tctccactgc tgcccttgcc   120
gtcctcctct gcaccatggc tctctgcaac caggtcctct ctgcaccact tgctgctgac   180
acgccgaccg cctgctgctt cagctacacc tcccgacaga ttccacagaa ttttcatagct   240
gactactttg agacgagcag ccagtgctcc aagcccagtg tcatcttcct aaccaagaga   300
ggccggcagg tctgtgctga ccccagtgag gagtgggtcc agaaatacgt cagtgacctg   360
gagctgagtg cctgaggggt ccagaagctt cgaggcccag cgacctcagt gggcccagtg   420
gggaggagca ggagcctgag ccttgggaac atgcgtgtga cctctacagc tacctcttct   480
atggactggt tattgccaaa caggccacac tgtgggactc ttcttaactt aaattttaat   540
ttatttatac tatttagttt ttgtaattta ttttcgattt cacagtgtgt ttgtgattgt   600
ttgctctgag agttccccct gtcccctccc ccttccctca cagtgtgtct ggtgacaacc   660
gagtggctgt catcggcctg tgtaggcagt catggcacca aagccaccag actgacaaat   720
gtgtatcgga tgcttttgtt cagggctgtg atcggcctgg ggaaataata aagatgctct   780
tttaaaaggt aaacc   795

    <210> 8507
    <211> 1363
    <212> DNA
    <213> Homo sapiens

    <220>
    <221> misc_feature
    <222> (363)...(820)
    <223> similar to gi5924003 in the genepept database release 114,
        Run with FASTXY 3.3t00, default parameters

    <400> 8507
gcgtggtgga attcgtggag tatacagcta ctgatgcaaa tgtgaagaat gaaagtcttt   60
catctgtgca gcagcttggc attaaaatga ctgtcaggta tggcaaattc ctcagtctct   120
taaaagatgg tgcagaaaat gatcttacct gggtttttaaa gcattgtgag agattcctga   180
aacagcagca aacttccata aaatcttctc ttctctgcct gcaagggaat tatgctggcc   240
atgactggtt tgtatcttct ctgttcatga taatgttggg agacaaagaa aaaacattcc   300
aatttcttca tcaattctcc aggcttctga cttctgcttt tctttggttg ccaaggctac   360
atatttctag ttaccttcct aatgacactg tagaatctgg catccatcca gtatattttt   420
gcagcaccca ttatattgaa atgctactga aggctgagtt gcctcttgtg ttttcagctt   480
ttcacatgtc tggttttgca ccatcacaga tttgcctgca atggataacc cagtgttttt   540
ggaattactt agattggata gaaatctgcc attatattgc tacttgtgtt ttccttggtc   600

7088

```
ctgattatca agtgtatatc tgtatagctg tattcaaaca tttacagcaa gacattctac      660
agcacactca gactcaagat ctgcaagttt tcctaaaaga agaagcactg catgggtttc      720
gagtgagtga ttattttgaa tacatggaaa ttttggaaca aaactaccga acagtgctgc      780
tgagagacat gcggaacatt agactgcaga gcacatagat catgagacac acggtttaaa      840
tttaggtttt atttattttt aaacacagca ggggggcttg atgtttttct gtgtctgtaa      900
caacatttac tttgtgaata tacatattgt aaatactgag aagtataacg atatatttaa      960
gtaggtatga gctcaatttg tgaattcatt tttgtaaatt tgttgttttg taaggttatt     1020
atagaatcag atctagctta cttttagttc ttattcatgt ttaagagtta gtcctggcca     1080
ggcgcggtgg ctcatgcctg taatcccagc actttgggag tctgaggtgg gcggatcacg     1140
aggtcaagag atcgagacca tcctggccaa aatggtgaaa cctcgtctct gctaacaata     1200
ctgaaattag ctgggtgcag tgatgcgcct gtagtccctg ctacttggga ggctgaggca     1260
ggagaatcgc ttgaacccgg gaggcggagg ttgcagtgag ccaagattgt gccactgtac     1320
tccaggctgg gccacagagt gagactctgt ctcaaaaaaa aaa                        1363
```


          <210> 8508
          <211> 1449
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (1)...(1450)
          <223> n = a,t,c or g

          <220>
          <221> misc_feature
          <222> (1060)...(817)
          <223> similar to gi3191963 in the genepept database release 114,
             Run with FASTXY 3.3t00, default parameters

          <400> 8508
```
ttttgcgggt gtgagcctgc agtgtgtgcg tggcagtttg gtttattggt agtgtcgtct       60
cagcagcgtg ccacatggcc accatctgcg ggctgcctgc tgccctccca attgtccttg      120
gccctctccc tgcccaggga gcctgcaggg accctcggtg ccaggctcgg ctgctgagcc      180
agcttgggtg tgaagcctgg gctggcagct gaatgatgga gagagggtca agaaggtgag      240
agacccccac catggagacc cagcagagcc ttctcaaatg ctgataagcc aaatgtcaca      300
aggtgacaag tccaaggagt gagaccaggc ccatgagtgc agcacaccct gctcttccag      360
agatgccaca aagcccttc agggagagag gggcccagga gggcagaatg cctgagaagg       420
tcgctgagcc aggcagaggt gagcacaggg cggggccggg cgtgctcttt ctccatgggc      480
gggtggagga aagacagtcc gggtggtctg ctcaggaagc actgcctggg gctgggccac      540
tctgcccgct cttcctggga ggaaacatgg cagagggc ccatggtggg agggagaga        600
gtctctggct gcagttgtcc caccactcag agaaagaag tggctgaagc tggtcctgac      660
tagtgggagg cctgggagca gacacggtgg catttccatg gaaacacagg tgtgcaggcc      720
gtgtggagct ggggatgtag gagtggccag tgcccggtgt ccacggggtg cgagcgggga      780
cccgccatct ggggaggcaa accacagagc tgctcacagg gcgaagaggg catcctctga      840
ccgctctggc ttcttccggc cagaagggtt tgaggctggg gcaggagcct ccatggggggg      900
cgaggggagg tcgggaacca tttcagcagc tttggctctt tcttcaagga atttatcaaa      960
ctcttcactt gtgacaccct cctccagatc atcacccttc aggtcggtcc tgagccacac     1020
ctcaatgtcg tccatgacag atggctgcgc aacggggatc attccttggg ttataagcca     1080
gctgtctatg ggctccaggt cagactcccc acctctacct ctcttctggg ccgaggacag     1140
```

```
aaaagtctca gaaagaaaag tcacagcaag acccatgaga aagaagtcaa tagcacatat      1200
tgtggaaaca gaaaagtcac tcttcagacg tgatcctttg ccacgtaagg aaatgtgatg      1260
ccctgctccc aacctccacc ccagcacgtc ccccttacct gcctggaaaa aagaagaaaa      1320
gtttagtaac caagaatccc aacaggataa cacatactca tgccaaccac taccgtgccc      1380
tggaaatctc caggagatca cagaaggttg accagacgaa atcgtcgncc cgggaattcg      1440
ggccagtca                                                            1449
```

<210> 8509
<211> 1120
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1072)...(456)
<223> similar to gi5102832 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8509
```
tttttttttt ttgtagagat ggggctttgt catgtgaccc agcctggtct ggaactcctg        60
ggctcacgcg attctcccac ctttgcctcc caaattgctg ggggattaca ggcgtgagtc       120
accatgccca gcctaggatg agtttagtaa gatttggtta tgctgggggag atgggaaaag      180
ccagggttag gggcacgcag gctggaagga aacggggtct gtgggggtgg atggaataac       240
ccatggaggc aagaaaggag cctctgcagg aacaagtctg gaagagcgag gaggaagcgg       300
tgaggcaggg gagcactgtg tgaactgccc tgaggccagg cagggggctca ggatgaccag     360
gcagaaacag agcgggtcca gggtggaggg gaggcccgtg cagcatgagc aggaggctag       420
aggagacaga ccatgaggcc cagggagacc cctcactgga gactctcccg tagccttctt       480
ttcagaagtc gaaagttggt ttttaatccc ttccaaggct tgaatggctc attatcattg       540
tacacaaagt tttcccaaca atatttaaaa tcttcatagt ccatgatctc cacagcgacc        600
ccttcctgac tcaggctgcg gagcccctcc tggtaacatg gatactggaa gtagtagagg       660
cgggcggtga agatggtgag attcacgttg ctgtgcctgg ccaggaactc ggccacctcc      720
cctgcacagt ctgggcaagg gctccaagat gtgtaccagg tgacctggta ctttgtgtta      780
ggagacagta tgtcgtcgca gaaccaagag aggaagcacc tttctgcatg acaatgggtc       840
tcagaatcca cctggtttcg gaagacgccc gtcttccagg agacaactga gcggcgcttt       900
ataccttcca cggtgaagca cagccaagtt tcgttccgat cgttggcttc ccataggttt       960
ttaaattgga agtagaatgt gcctggatac attgccttca tcgggtttct gatctgtgga       1020
ttcatgttca gcctcttaga tatgcttgtc cctgtcccac tcttttctga agcgctgtgg      1080
cttctcttcc tgcttacagc gtccttggtc gacgcggccg                           1120
```


<210> 8510
<211> 888
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<220>
<222> (115)...(670)
<223> similar to gi4836700 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8510
```
gtttgtgctg gaattcgcga cccttgttca acgccgttgg cgaagccagc tgctggaggt      60
gccgagaatc tgagtttcgg taagcagcca ggtctggaaa ctaatatttt aaaaatgact     120
acaccaaaca agacacctcc tggtgctgac cccaagcagt tggaaaggac tggaacagta     180
cgggaaattg ggtcacaagc tgtttggtca ctctcatctt gcaaaccagg atttggagtg     240
gatcagttac gagatgacaa tctagaaact tattggcaat cagatggttc ccagcctcat     300
ttagtgaaca tccaattcag aagaaaaaca acagtgaaga cattatgtat ttatgcagac     360
tacaaatctg atgaaagcta tactccaagc aagatctcag tcagagtagg aaataatttt     420
cacaaccttc aagaaattcg gcaacttgag ttggtggaac caagtggctg gattcatgtt     480
cccttaactg acaatcataa gaagccaact cgtacattca tgatacagat tgctgttcta     540
gccaatcacc agaatggaag agacacccat atgagacaaa ttaaaatata cacaccagta     600
gaagagagct ccattggtaa atttcctaga tgtacaacta tagatttcat gatgtatcgt     660
tcaataaggt gactttaaaa tgagcgaaa atcattaaac gtatctttgt tttatcctgt     720
atttaaataa tatatcatgt acctttattg aacaaggcat ccgttatatc taattttgta     780
tatgtttaaa aatattttat tgtaactttg acaaataaat ttggggtcat attatcttta     840
ttttctttaa catgtaataa agctcacata ttttacatta ccaaaaaa                  888
```


<210> 8511
<211> 2091
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(2092)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (108)...(1107)
<223> similar to gi296186 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8511
```
aggcgcccgc ccgccgcgcg tgattctcgc ctcgccgcag cccagccctg cgcgccttgc      60
ccggcggccc ccgcccggcc gctccgggcc cctggccccg cggagcgatg ctgctgctgg     120
ctgccgcctt cctcgtggcc ttcgtgctgc tgctgtacat ggtgtctccg ctcatcagcc     180
ccaagcccct cgccctgccc ggggcgcatg tggtggttac aggaggttcc agtggcatcg     240
ggaagtgcat tgctatcgag tgctataaac aaggagcttt tataactctg gttgcacgaa     300
atgaggataa gctgctgcag gcaaagaaag aaattgaaat gcactctatt aatgacaaac     360
aggtggtgct ttgcatatca gttgatgtat ctcaagacta taaccaagta gagaatgtca     420
taaaacaagc acaggagaaa ctgggtccag tggacatgct ggtaaattgt gcaggaatgg     480
cagtgtcagg aaaatttgaa gatcttgaag ttagtacctt tgaaaggtta atgagcatca     540
```


7091

```
attacctggg cagcgtgtac cccagccggg ccgtgatcac caccatgaag gagcgccggg     600
tgggcaggat cgtgtttgtg tcctcccagg caggacagtt gggattattc ggtttcacag     660
cctactctgc atccaagttt gccataaggg gattggcaga agctttgcag atggaggtga     720
agccatataa tgtctacatc acagttgctt acccaccaga cacagacaca cctggctttg     780
ccgaagaaaa cagaacaaag cctttggaga ctcgacttat ttcagagacc acatctgtgt     840
gcaaaccaga acaggtggcc aaacaaattg ttaaagatgc catacaagga aatttcaaca     900
gttcccttgg ctcagatggg tacatgctct cggccctgac ctgtgggatg gctccagtaa     960
cttctattac tgaggggctc cagcaggtgg tcaccatggg cctttttccgc actattgctt    1020
tgtttttacct tggaagtttt gacagcatag ttcgtcgctg catgatgcag agagaaaaat    1080
ctgaaaatgc agacaaaact gcctaatctt cttacccctt ggaagaagac tgtttccaaa    1140
taatttgaac agcttgctgc taaatgggac ccaattttg gcctatagac acttatgtat     1200
tgttttcgaa tacgtcagat tggaccagtg ctcttcagga atgtggctgc aagcaagggg    1260
ctagaagttc acctcctgac agtattatta atactatgca aatatggaat aggagaccat    1320
ttgattttct aggctttgtg gtagagaggt gaaggtatga gaattaatag cgtgtgaaca    1380
aagtaaagaa caggattcca gaatgatcat taaatttgtt tctatttatt cttttttgcc    1440
cccctagaga ttaagtccag aaatgtactt tctggcacat aaagaaatct tgaggacttt    1500
gtttaaacct tccataaaaa aacaattttc ggtttctcgg gttctctctc tctctctctc    1560
tctctctctg tctctctgtc tctctggctc tctgtctctc tctctctctc tctctctctc    1620
tctttctttc tttgtgtatt atattcaaga agagttggac ccattgccag tgagtctgaa    1680
tgtcactgac agccctgtgt tgtgctcaag actcactctg ccgctggtgg gaaactcatg    1740
gcttctctct ctctttgatc ccataaagct acgagggga cgggagaggg gcagtgcaat    1800
gggaaataaa gaggatattt tcccngtagg gaaaaggcaa tgctttcctt gtctttacac    1860
tcaaatgctt aggggaacgt tttcatttct tcattcatgg ggggaaaggc agcctcctta    1920
aatgttttcc tgaagagcgg gtaaaatcta gaagcttaag aatttacagt tccttcaata    1980
accatgatga cctgaagttc acctatccca ttttagcatc tacttgtttt ttcccatctc    2040
ttcctttcca attttgactt atactgctgt aatattttg taaaaaaaaa a               2091
```

<210> 8512
<211> 1077
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (43)...(793)
<223> similar to gi2842402 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8512
```
gcttgtggct gggcactcgc gcagaggccg gcccgacgag ccatggttgc tgggagcgac      60
gcggggcggg ccctgggggt cctcagcgtg gtctgcctgc tgcactgctt tggtttcatc     120
agctgttttt cccaacaaat atatggtgtt gtgtatggga atgtaacttt ccatgtacca     180
agcaatgtgc ctttaaaaga ggtcctatgg aaaaaacaaa aggataaagt tgcagaactg     240
gaaaattctg aattcagagc tttctcatct tttaaaaata gggtttattt agacactgtg     300
tcaggtagcc tcactatcta caacttaaca tcatcagatg aagatgagta tgaaatggaa     360
tcgccaaata ttactgatac catgaagttc tttctttatg tgcttgagtc tcttccatct     420
cccacactaa cttgtgcatt gactaatgga agcattgaag tccaatgcat gataccagag     480
cattacaaca gccatcgagg acttataatg tactcatggg attgtcctat ggagcaatgt     540
aaacgtaact caaccagtat atattttaag atggaaaatg atcttccaca aaaaatacag     600
tgtactctta gcaatccatt atttaataca acatcatcaa tcattttgac aacctgtatc     660
```
                                                                         .

                                     7092

```
ccaagcagcg gtcattcaag acacagatat gcacttatac ccataccatt agcagtaatt    720
acaacatgta ttgtgctgta tatgaatggt attctgaaat gtgacagaaa accagacaga    780
accaactcca attgattggt aacagaagat gaagacaaca gcataactaa attattttaa    840
aaactaaaaa gccatctgat ttctcatttg agtattacaa tttttgaaca actgttggaa    900
atgtaacttg aagcagctgc tttaagaaga aatacccact aacaaagaac aagcattagt    960
tttggctgtc atcaacttat tatatgacta ggtgcttgct tttttgtca gtaaattgtt   1020
tttactgatg atgtagatac ttttgtaaat aaatgtaaat atgtacacaa gtgaaaa     1077
```

<210> 8513
<211> 2303
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1990)...(1337)
<223> similar to gi3874437 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8513
```
aaaaacaatt gatgtaggaa taaggggaat ggataaagaa tggtacatgc ttattctaaa     60
gcaggagagc ctacagattg ttgtcaaagc tcatgtctat ctctgtcctc gaggcctcca    120
caccatctcc ctctccctcc tccagaatcc aagggatgag cccgtttccc tttatgagac    180
gaggtggagc agtacctcta gtttttggct gctcatggcc tcagagttgc tgtttggaaa    240
ggaaaaagag cagcagaggc agcaaagaaa agtactaggg cagcaccttt aggttagaaa    300
tagattccac agttaaaagc acaagtataa tatgcattaa acagagaagg gcctcaatag    360
aatggtcaca atatgcaagt gtgtcccact catttacaat attaggattc caggagctgc    420
cagaaataag tcatctcatt aacataccta cctgcagttc tgatgtctgg ctattagtaa    480
acaaggccta cgtttgtttc tctaaaattt agaatcttaa actaaatcct ttatttcaaa    540
aacaaacata aaataatttc ccaggcagag aaaaggtttg agatggaagc gttcttgtta    600
gcagtccctt cctgcataaa tggggttgga gagagaggag agagggaatg gccaagggta    660
tggaaagctt tcacaatgca tgccgagtgt gaagtgacac ccccagcaga tggggtttat    720
catctttact tagtcacaca acatcaagga ctggttagtt ccagggaagg gctccatttc    780
attacctggg tcagttctct tcccccgcat gctccacaat gcagtagaac caaacaacac    840
attcatttac aatagaatgt ttaaataaca cctgtccaat aactgccctt acttctttgt    900
gctgtcggga aaagaaaaaa cagaaagcaa taaaacccaa acccctttggc aagccagccg    960
gtgcctattc tcctggggca tttttagtgg aacttcggct gggccttgcc ctcctcccaa   1020
tatcagtgag gaaagtggca gcgggacagg tttggtcatc tgcagtggag tagaaagagg   1080
aaccaaacac gattcgggcc acaggtggat tctggcacat ttttagattg gattggttaa   1140
aaatgtcatg ttgtacacag gatgcaggca aaggagtttt tttttgaggg acataatgcc   1200
tataggcagc atgaacggtc cgatctaccc ttggggagga gctccctgtg tagggacgga   1260
gaaactaggg ggcctcgagg aaggtgttgg ttcggaagat ggaggagaca atctttccgg   1320
tggcattgat ggtgccttcg ctgtctgagc tggactcgga gtcgctgctc ccagagtagg   1380
cacccaggcc tgggaggatg ccgatacata ctgcagcaga ggggcagtgg atggaggggc   1440
cactcaggga ggtgtttccg agagacttgc aggatgaggg ctcttgattc ttgtcatctg   1500
gctcagggtc cggtttcagt cttttcacac tgttgccact ctctgagctc ttatgcttca   1560
cagctcctgc caacagcttc gcctgggaga acttgttctt ggtttctata ggcttcacag   1620
tcagtttctt ttccacttcc ttcttgttct cttgagaaat tccaaccttc ttgaggttat   1680
ttctgtattc cttcagttct ttcagttctt cttctcttcg ttgcttttct attagttcct   1740
gctgtcgaga aacctcatca aggaagttgg tctcatcttc atctaagcct cttaccatgt   1800
```

7093

```
ttttgaattt gaactgttcc tcgtactcct gctgcttcct gtccttctgt tcctgtagcc      1860
tttcatatag agatcgaggg tcataaacct cctctggaca ttcttctgga tcttcaggtt      1920
ttcgaacttt ctcccattct tcttgcctcc ttttgcgccg ttcatctagt tctgcctcag      1980
acacaaacct ctttttgata ataaggttac catcatcccc tccatccata atgaaacaac      2040
caatctagca gaaaattggg gaaaccccat taaacgcccg gcagtgttgg gcccgcctga      2100
aagggtcctc gccgcgaccc agatgtcttc ccgcgggcac cctcagctcc cctcaggctg      2160
ggcccgcaag ccccaggctt cggctactcc ggacaaggag cgggtgcgcg cactgagaac      2220
aggcctggcc ctaaccctaa cagcagccgc agctcatcta ttccgtaagg aagctggaac      2280
ccaggtgtcg ccgccagacc aaa                                              2303
```

<210> 8514
<211> 1530
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (327)...(1200)
<223> similar to gi3387971 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8514
```
gcggccgcga agcgactccg agcgtccctc tgagccttgc tcatctctgc cccgcgcctc        60
ccgggctccg gtccgcgcgg cggggtccct gctcctgcgc cccgggcgcg cttcccggac       120
accccggtcc ccgcagccag gacaaagcca tgaagccagc gctgctggaa gtgatgagga       180
tgaacagaat ctgccggatg gtgctggcca cttgcttggg atcctttatc ctggtcatct       240
tctatttcca aagtatgttg cacccagtca tgcggaggaa tccctttggt gtggacatct       300
gctgccggaa ggggtcccga agccccctgc aggaactcta caacccaatc cagctggagc       360
tctcaaacac tgctgtcctg caccagatgc ggcgggacca ggtgacagac acgtgccgag       420
ccaacagcgc cacaagccgt aagcggaggg tgctgacccc caacgacctg aagcacttgg       480
tggtggatga ggaccacgag ctcatctact gctacgtgcc caaggtggcc tgcaccaact       540
ggaagcggct catgatggtc ctgaccgggc gggggaagta cagcgacccc atggagatcc       600
cggccaacga ggcacacgtc tccgccaacc tgaagaccct gaaccagtac agcatcccag       660
aaatcaacca ccgcttgaaa agctacatga agttcctgtt tgtccgggag cccttcgaga       720
ggctagtgtc cgcctaccgc aacaagttca cccagaagta caacatctcc ttccacaagc       780
ggtacggcac caagatcatc aaacgccagc ggaagaacgc cacccaggag gccctgcgca       840
aaggggacga tgtcaaattc gaggagtttg tggcctatct catcgaccca cacacccagc       900
gggaggagcc tttcaacgaa cactggcaaa ccgtctactc actctgccat ccctgccaca       960
tccactatga cctcgtgggc aagtacgaga cactggaaga ggattctaat tacgtcctgc      1020
agctggcagg agtgggcagc tacctgaagt tccccaccta tgcaaagtct acgagaacta      1080
ctgatgaaat gaccacagaa ttcttccaga acatcagctc agagcaccaa acgcagctgt      1140
acgaagtcta caaactcgat tttttaatgt tcaattactc agtgccaagc tacctgaaat      1200
tggaataaag ggggtgggga gaggagaga atcatgcttt ttaatttaag atttttattt      1260
gtcaaaagaa ttatatggat attgggttat tttgtaaatt aatatttctt tggggatgat      1320
gctgcgagca gcatagtgag aattatttaa aatccttcgt agggaaggac agctgtcttt      1380
gcaggggaaa taggatgggt cgtccttgtc tgtagaagtg aatactgcaa cactgtctca      1440
aaggtttctt gtgttctggt gaattccatg aattgtgcat tccataaatt ctaattaata      1500
ttatttatag ttatttaaaa aaaaaaaaaa                                       1530
```

<210> 8515
<211> 2815
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (168)...(955)
<223> similar to gi4159993 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8515
atttcctccc gttctttatc agagcccca aaataagtag gaatgggcag tggctattca   60
cattcactac accttttcca tttgctaata aggccctgcc aggctgggag ggaattgtcc   120
ctgcctgctt ctggagaaag aagatattga caccatctac gggcaccatg gaactgcttc   180
aagtgaccat tcttttttct ctgcccagta tttgcagcag taacagcaca ggtgtttag   240
aggcagctaa taattcactt gttgttacta caacaaaacc atctataaca acaccaaaca   300
cagaatcatt acagaaaaat gttgtcacac caacaactgg aacaactcct aaaggaacaa   360
tcaccaatga attacttaaa atgtctctga tgtcaacagc tacttttta acaagtaaag   420
atgaaggatt gaaagccaca accactgatg tcaggaagaa tgactccatc atttcaaacg   480
taacagtaac aagtgttaca cttccaaatg ctgtttcaac attacaaagt tccaaaccca   540
agactgaaac tcagagttca attaaaacaa cagaaatacc aggtagtgtt ctacaaccag   600
atgcatcacc ttctaaaact ggtacattaa cctcaatacc agttacaatt ccagaaaaca   660
cctcacagtc tcaagtaata ggcactgagg gtggaaaaaa tgcaagcact tcagcaacca   720
gccggtctta ttccagtatt attttgccgg tggttattgc tttgattgta ataacacttt   780
cagtatttgt tctggtgggt ttgtaccgaa tgtgctggaa ggcagatccg ggcacaccag   840
aaaatggaaa tgatcaacct cagtctgata aagagagcgt gaagcttctt accgttaaga   900
caatttctca tgagtctggt gagcactctg cacaaggaaa aaccaagaac tgacagcttg   960
aggaattctc tccacaccta ggcaataatt acgcttaatc ttcagcttct atgcaccaag   1020
cgtggaaaag gagaaagtcc tgcagaatca atcccgactt ccatacctgc tgctggactg   1080
taccagacgt ctgtcccagt aaagtgatgt ccagctgaca tgcaataatt tgatggaatc   1140
aaaaagaacc ccggggctct cctgttctct cacatttaaa aattccatta ctccatttac   1200
aggagcgttc ctaggaaaag gaattttagg aggagaattt gtgagcagtg aatctgacag   1260
cccaggaggt gggctcgctg ataggcatga ctttccttaa tgtttaaagt tttccgggcc   1320
aagaattttt atccatgaag actttcctac ttttctcggt gttcttatat tacctactgt   1380
tagtatttat tgtttaccac tatgttaatg cagggaaaag ttgcacgtgt attattaaat   1440
attaggtaga aatcatacca tgctactttg tacatataag tattttattc ctgctttcgt   1500
gttacttta ataaataact actgtactca atactctaaa aatactataa catgactgtg   1560
aaaatggcaa tgttattgtc ttcctataat tatgaatatt tttggatgga ttattagaat   1620
acatgaactc actaatgaaa ggcatttgta ataagtcaga aaggacata cgattcacat   1680
atcagactgt tagggggaga gtaatttatc agttctttgg tctttctatt tgtcattcat   1740
actatgtgat gaagatgtaa gtgcaagggc atttataaca ctatactgca ttcattaaga   1800
taataggatc atgattttc attaactcat ttgattgata ttatctccat gcatttttta   1860
tttcttttag aaatgtaatt atttgctcta gcaatcattg ctaacctcta gtttgtagaa   1920
aatcaacact ttataaatac ataattatga tattatttt cattgtatca ctgttctaaa   1980
aataccatat gattatagct gccactccat caggagcaaa ttcttctgtt aaaagctaac   2040
tgatcaacct tgaccacttt tttgacatgt gagatcaaag tgtcaagttg gctgaggttt   2100
tttggaaagc tttagaacta ataagctgct ggtggcagct ttgtaacgta tgattatcta   2160
agctgatttt gatgctaaat tatcttagtg atctaagggg cagtttagtg aagatggaat   2220
cttgtatttta aaatagcctt ttaaaatttg ttttgtggtg atgtattttg acaacttcca   2280
tctttaggag ttatataatc accttgattt tagtttcctg atgtttggac tatttataat   2340

```
caaggacacc aagcaagcat aagcatatct atatttctga ctggtgtctc tttgagaagg    2400
atgggaagta gaaaaaaaaa aaagaaagaa aggaaaggaa gagaggagag aagaaggcag    2460
ggatctccac tatgtatgtt ttcactttag aactgttgag cccatgctta attttaatct    2520
agaagtcttt aaatggtgag acagtgactg gagcatgcca atcagagagc atttgtcttc    2580
agaaaaaaaa aaaatctgag tttgagacta gcctggccaa catgttgaaa ccccatatct    2640
actaaaaata caaaaattag cctggtgtgg tggcgcacgc ctgtagtccc agctactctg    2700
gagcctgagg aacgtgaatc gcttgaaccc aaaaaacaga ggttgcagtg agctgagatg    2760
gcactattgc actccagcct gggtgacaca gcaagactct gtctcaaaaa aaaaa         2815
```

<210> 8516
<211> 977
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (155)...(517)
<223> similar to gi455109 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8516
```
ttttcttgag ttacctcccg cagccgcagc cgccgtgctc agcgcgagcc ccggagccct     60
tgagcgcgag gcgcggagcc cccggagccc ccaaaccgca gacacatccc cgcgccccag    120
agccccggcc tgcgcgccca gccgggcccg cgcgatgccc tcagaccggc ctttcaagca    180
gcggcggagc ttcgccgacc gctgtaagga ggtacagcag atccgcgacc agcaccccag    240
caaaatcccg gtgatcatcg agcgctacaa gggtgagaag cagctgcccg tcctggacaa    300
gaccaagttt ttggtcccgg accatgtcaa catgagcgag ttggtcaaga tcatccggcg    360
ccgcctgcag ctgaacccca cgcaggcctt cttcctgctg gtgaaccagc acagcatggt    420
gagtgtgtcc acgcccatcg cggacatcta cgagcaggag aaagacgagg acggcttcct    480
ctatatggtc tacgcctccc aggaaacctt cggcttctga gccagcagta ggggggctcg    540
gcctgggagt cggggggccc cggtcaggcc ctgcccagag agctcctggt tcctgaactg    600
agctgcctct accgtggtgg gctgggcagg catgtgcccc cctagtcaga gggcaccaac    660
ccacctactc tgcccctggg tggatcctgg gccggtcgtg ttagggttgt ccctctgggt    720
gctggctggt gggatggggg agggtgggga gcagctccca gcacccctgc tgtgtggttc    780
atcttttttt taggcccctg cctgtctgcc catctgcccc tcacccaccc gaggctctgc    840
ccaccgcctg gacctgccca cccctgaaag actggcccct ggctccccgc ccctcggtct    900
ccacgtggtg tatggatctg tggtcattgt ccctctgcag aataaagatt gctcaggcct    960
gcctggcaaa aaaaaaa                                                    977
```

<210> 8517
<211> 2231
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (172)...(2094)
<223> similar to gi28583 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 8517
gcccccaat tcccgtgtcg acgatctcgt cgatcgcggc ctgaggctgc tcccggacaa   60
gggcaacgag cgtttcgttt ggacttctcg acttgagtgc ccgcctcctt cgccgccgcc   120
tctgcagtcc tcagcgcagt ctttccacag gagccagcat acttcctgaa catggagagt   180
gttgttcgcc gctgcccatt cttatcccga gtcccccagg cctttctgca gaaagcaggc   240
aaatctctgt tgttctatgc ccaaaactgc cccaagatga tggaagttgg ggccaagcca   300
gcccctcggg cattgtccac tgcagcagta cactaccaac agatcaaaga aacccctccg   360
gccagtgaga aagacaaaac tgctaaggcc aaggtccaac agactcctga tggatcccag   420
cagagtccag atggcacaca gcttccgtct ggacacccct tgcctgccac aagccagggc   480
actgcaagca aatgcccttt cctggcagca cagatgaatc agagaggcag cagtgtcttc   540
tgcaaagcca gtcttgagct tcaggaggat gtgcaggaaa tgaatgccgt gaggaaagag   600
gttgctgaaa cctcagcagg ccccagtgtg gttagtgtga aaaccgatgg aggggatccc   660
agtggactgc tgaagaactt ccaggacatc atgcaaaagc aaagaccaga aagagtgtct   720
catcttcttc aagataactt gccaaaatct gtttccactt ttcagtatga tcgtttcttt   780
gagaaaaaaa ttgatgagaa aaagaatgac cacacctatc gagtttttaa aactgtgaac   840
cggcgagcac acatcttccc catggcagat gactattcag actccctcat caccaaaaag   900
caagtgtcag tctggtgcag taatgactac ctaggaatga gtcgccaccc acgggtgtgt   960
ggggcagtta tggacacttt gaaacaacat ggtgctgggg caggtggtac tagaaatatt   1020
tctggaacta gtaaattcca tgtggactta gagcgggagc tggcagacct ccatgggaaa   1080
gatgccgcac tcttgttttc ctcgtgcttt gtggccaatg actcaaccct cttcaccctg   1140
gctaagatga tgccaggctg tgagatttac tctgattctg ggaaccatgc ctccatgatc   1200
caagggattc gaaacagccg agtgccaaag tacatcttcc gccacaatga tgtcagccac   1260
ctcagagaac tgctgcaaag atctgacccc tcagtcccca agattgtggc atttgaaact   1320
gtccattcaa tggatggggc ggtgtgccca ctggaagagc tgtgtgatgt ggcccatgag   1380
tttggagcaa tcaccttcgt ggatgaggtc cacgcagtgg ggctttatgg ggctcgaggc   1440
ggagggattg gggatcggga tggagtcatg ccaaaaatgg acatcatttc tggaacactt   1500
ggcaaagcct ttggttgtgt tggagggtac atcgccagca cgagttctct gattgacacc   1560
gtacggtcct atgctgctgg cttcatcttc accacctctc tgccacccat gctgctggct   1620
ggagccctgg agtctgtgcg gatcctgaag agcgctgagg acgggtgct tcgccgccag   1680
caccagcgca acgtcaaact catgagacag atgctaatgg atgccggcct ccctgttgtc   1740
cactgcccca gccacatcat ccctgtgcgg gttgcagatg ctgctaaaaa cacagaagtc   1800
tgtgatgaac taatgagcag acataacatc tacgtgcaag caatcaatta ccctacggtg   1860
ccccggggag aagagctcct acggattgcc cccaccccct accacacacc ccagatgatg   1920
aactacttcc ttgagaatct gctagtcaca tggaagcaag tggggctgga actgaagcct   1980
cattcctcag ctgagtgcaa cttctgcagg aggccactgc attttgaagt gatgagtgaa   2040
agagagaagt cctatttctc aggcttgagc aagttggtat ctgctcaggc ctgagcatga   2100
cctcaattat ttcacttaac cccaggccat tatcatatcc agatggtctt cagagttgtc   2160
tttatatgtg aattaagtta tattaaattt taatctatag taaaaacata gtcctggaaa   2220
taaaaaaaaa a   2231

<210> 8518
<211> 1151
<212> DNA
<213> Homo sapiens

<220>

7097

<221> misc_feature
<222> (1)...(1152)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (694)...(263)
<223> similar to gi4929731 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 8518
gtttaatttt ctagttttc ttttttttc aaattctccc agatcctgat caggtacttc   60
tttatagcaa cacaagaaca gcctaacaca caggattaag ttgattccag gtaaataaat   120
taagagaagc aatgactcgc tggagacagc agcaaattca gcccagtttt attgcaaata   180
aaacaagtca ttcaagtgaa ttgtggaaat tgagggtgca cgtgaagggg tggcaaggga   240
acgggactct tgaagatggt cagtgtttcc ttggtttgaa cttcaaagcc acactgttga   300
tgcaaaacct ctgaccattg ggcccaggtc catcaggaaa cacgtgacct agatgagctt   360
cacactgctt gcagacaacc tctgtgcgag ctgatcctaa cgaggtatcc agacgtctca   420
ggatccctgt gtggctttca tcagagccag acgtaccatg agcctcggaa aacgaaggcc   480
acccagtgcc agagcagtac tttttctcag aactgaagag tggactgtcg cagcacacgc   540
aatgatacat tcctgcttcc ttgttattca ggtagatccc actgaaaggc ggttccgttc   600
ccttttctct tgtgacgtag aactgctccg gggttagttt cttttgccac tcactcttgg   660
caagaggcag ctcacacgtt gcaagagacc caggggatc cggatgaggg gtcttgagaa   720
ctcgtacctg tctttataac ttgtctataa atctaaaatt attccaaaat aaaaaagctt   780
atttaaaaaa ctttcttctc catggctacc cgtgtaccat caagcactac tggagaaaaa   840
tccccacctg gggagagggt tgtccttata aactcaaagt tactcatctc actggggttt   900
cagtgaacca tggaaccatc tttccccagt cagctctctt cccatttctc tgcaatgagt   960
gttttaaacc ttttccactc tcaggaatgt aaactagtac aaccactatg gaaaacagtg   1020
tggagattct ttaaagaact aaaagtagaa taccatttaa tccagcaatc ccactactgg   1080
gtatctaccc agaggcaaag aagtcattac atanaaagat acctgccacc ggacgcgtgg   1140
gtcgacacgg g   1151

<210> 8519
<211> 1154
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (339)...(893)
<223> similar to gi836709 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 8519
gtcatcttct tctcttcgta tacaatgttt tccctaatt catttctcac gtgcattacc   60
gtaacagtag cttctttggt ctccctgtgt ccaatttctt ccatttcaaa acatcctggt   120
tattgatgca agactaatct tcaaaatgtc atttttgacc gggcgtcgcc gctgccgccg   180

7098

```
gcgcccttcc ccagtaccac ggcccggcgc ctgcactcgt ttcctgcagg agagagctaa      240
gcttgtctgc tggatccctg cagctggagc gcaaaaggag agatttcacc tcttctggga      300
gcaggaaact ctacttcgac actcatgcct tagtgtgctt actggaagac aatgggtttg      360
ctactcaaca agcagaaatc attgtgtctg cattggtcaa gatcctggag gccaacatgg      420
acatcgtcta caaagatatg gtcaccaaga tgcagcagga aatcactttt cagcaagtaa      480
tgtctcagat tgcgaatgtg aaaaaggata tgattatttt ggagaagagt gaattttcag      540
ccctcagagc agaaaatgag aaaataaaac tcgaactaca tcagttaaaa caacaagtaa      600
tggatgaagt gatcaaagtc cgaacagata ccaaattaga cttcaaccta gaaaagagca      660
gagtaaaaga attgtattca ttgaacgaaa agaagctgct ggaattgaga acagaaatag      720
tggcattgca tgcccagcaa gatcgggccc tacccagac agacaggaag atcgaaactg       780
aggttgctgg cctcaaaacc atgcttgagt cacacaagct tgataatatt aaatatttag      840
caggtctat atttacgtgc ctaacagtag ctctgggatt ttatcgcctg tggatctaat      900
aaagtgtcta tttaaagtga tttctactgt tttgccttaa gaataccaga ttgttggctg      960
ggtgcggtgg tctctaactc ctgacctcgt gattcacccg ccttggtctc ccaaagtggt     1020
gggattacag gcgtgagccg ctgcgcctgg cccattctca tcttattcaa attactggca     1080
catgggcaag agagacaatg acatggatag aagctttct gcctttctct gcacacacat      1140
acagtgaagg aacc                                                        1154


<210> 8520
<211> 2216
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2119)...(431)
<223> similar to gi5764543 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 8520
tttttttttt ttcatttctt aactgaaaat atattttcac agaaacaaca aagcaaaggg       60
gataaaaaca atagcgacca gaaaagctaa cttaggtgaa tggtgccact caaaggtctt      120
tccgagggaa gctcagtcct ggcttgcgag agtcagcctt ggctcacctc ataacggggc      180
tccaagctaa ggcgtcaagg aagcagtccc actgcttctc gctgtcagca agaccacaag      240
gcagatgccc actgctgtcc tctttccttg tctactttct catctaagtg tcgtaagaca      300
gccctgcact ggtccctgag taacagagca gctgtcatga gcacaggctc attttatccg      360
agagcattct tatctttgag agaaatgaga atatgacaag gagaactaaa cagcagcagg      420
cctagcctca gcagcctttc tgagtgatgt ctagtcctga cgactttgtg atttccaaag      480
tcgtgaacac ctccccacat gtggggtgaa ttccaatggt gtcatcaagt agctgttttg      540
tgagcccaca tttcattgca gctgcaaatc cttgggtaac ctcaccggcg tttggtccaa      600
gaatatgaaa tcctatcacc cgatcatggt cgaatttatt gcagattatc tttgcgtaac      660
aagtgttgtt ctctctgcca gctactgtcc attcaagagg ccagaacaaa gtatgatata      720
tttctagatt ctcttttta tatacttcaa tagctttctc ttcagataat ccacagcaac      780
catactccag aggagtaaac actgtagtcg gaacattaat ataatcacac ttttctaaag      840
aggccccaaa aagtctctga gctagcagct tgcctgactg tatggcgaca gaagtgagct      900
caaacttatc ctccaaaata tcaccaacag catagacata tggcacattg gtctgttcca      960
catcatttac aggtattttt ccactcttct cattaatttt gacaccaatc ttctccaagc     1020
ctatttttcct tgtacaggag tcacgaccaa tagctaacaa aactgtgtta tagactcctt     1080
caattgtttc tgttccttca gtggatttag ccaacacttt cagctttcca ggtgaacctt     1140
tctccaactg ttgaaccatc acaggtatga atttccgtag gaacttcaca ccatgctgct     1200
```

```
ccatgtagga acccactttt tctgccattt cttggtcgaa gccacggaga aggattgagc    1260
gtaccataac tgtgacatct aggccaaagc cagccagaaa ccctgcacac tccagggcaa    1320
cataagaggc acccaccact aatgttttgc cagggcaata aggcagagaa aaaaggtcat    1380
cactagtaat acagtattct ttatctcctt ggattcctaa ataccgtggc ctttcacccg    1440
ttgctatgac aaactgtgca gcagtataat aagtctcctg tcctttttta ttggttgcct    1500
ttattttatg atgttcaaca aattctccat aggaattgac ataggccaca gccttttccc    1560
tcagagacaa cctgtagccc cagtttagag agctgatgtg gttctgaatc gcttttgtca    1620
ttgtctccca gttgtgcctc acttgttgat tatattccca gccaaatttc cttgagtcac    1680
ataatgcctg ccccaaaagg gcagcctgat gcatcaattt cttaggaata caacctacat    1740
ttacacaagt gccaccaaga ccccaggatg tgccctgagg tgacgggaca acaaagtcta    1800
gcaccataac tttctttccc aaaatggcag cttccttcgc acatgaaagg cctccagaac    1860
caccaccgat gatgatgaga tcataatcat atgccaaatc ttcctgaagg agcttctgta    1920
acaaaccact ctgatatgcc tggaaagttt ggtcacatcc acctacatgc actttattca    1980
cgaaaatatt gggcacagtt ttctgattag tgatttctga cagcacttct tgaaccctgg    2040
ccccatcatc aacttgatca agttccaaga cattacattc gactcccaaa gaagaaaaga    2100
gttctttcac cttgctgggc tccagcgtcc tcgagcagca ggagcaggac aagtaagagc    2160
aggaggaaca gaggcatgga gaaggaggag gagttggagc agggagggag ggagcg       2216
```

```
    <400> 8521
cctttttttt ttttataaa tatatgtata tattttattt acattatata catggcatat      60
ctatacagtt acatttacac ttgacttaga gtcaaagtca tatacacaca cacaggactt     120
ggactcaaag ctttttaatga caagcatgca aaatttctta gtatagaccc taagagtacc    180
cttaatataa gtatgtttat ttaaaaattc tatgtatcta ctactgttac caggggggtcc    240
ttgctcccag agctcccaag atggtggtgg gccacttcca agatggtggc aggccacttc     300
caaaatggtg gcaagcctca tgttctctga cctggggttc ttggcctcac agattccaag     360
gaatggaatc ttgggccatg cggtgagtgt tatagctcta ttagaagtcg tgggtcacgg     420
aagagaaccg tggaacccag tgactagtgt tcagctcgat taggacaaac ccaggcactt     480
agccgtaccg gaacaatggc aagcctttag cccgatcggg agtggcaatg ggcgcatggc     540
tgcatcagga gcacagcgga caccctgcca gatctggagg gatggaagtc agtggtaggt     600
ctgcaatggt ggcaaacagc agtggtggat ggcgagcgaa agctcagctc gagctgta      658
```

    <210> 8522
    <211> 1260
    <212> DNA
    <213> Homo sapiens

<220>
<221> misc_feature
<222> (165)...(825)
<223> similar to gi5817053 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8522
gtggcggtac agacactttt aactcacagt aaaagcaaaa gcaacagctc aagcagcctc   60
cttggagaaa acctgaaaat tcaacttgtt caagagaagg tcttgtacgt gcctaagttc   120
tagagcctcc tgacgtgagc atggctgaga gtgaggaccg ctccctgagg atcgttctgg   180
tagggaaaac tggaagtggg aaaagtgcaa cagcgaacac catccttgga gaggaaatct   240
ttgattctag aattgctgcc caagctgtta ccaagaactg tcaaaaagca tcccgggaat   300
ggcagggggag agaccttctt gttgtggaca ctccagggct ctttgacacc aaggagagcc   360
tggacaccac ctgcaaggaa atcagccgct gcatcatctc ctcctgccca gggccccatg   420
ctattgtcct agttctgctg ctgggccgct acacagagga ggagcagaaa accgttgcat   480
tgatcaaggc tgtctttggg aagtcagcca tgaagcacat ggtcatcttg ttcactcgca   540
aagaagagtt ggagggccag agcttccatg acttcatagc agatgcggat gtgggcctaa   600
aaagcatcgt caaggagtgc gggaaccgct gctgtgcctt tagcaacagc aagaaaacca   660
gtaaggcaga gaaggaaagt caagtgcagg agttggtgga gctgatagag aaaatggtgc   720
agtgcaacga aggggcttac ttttctgatg acatatacaa ggacacagag gaaaggctga   780
aacaacggga agaggttttg aggaaaatct acactgacca attaaatgaa gaaattaaac   840
tagtagaaga ggataagcat aaatcagagg aaaaaaagga gaaagaaatt aaattgctaa   900
aattaaaata tgatgaaaaa ataaaaaata taagggaaga agctgagaga aatatattta   960
aagatgtttt taataggatt tggaagatgc tttcagaaat atggcatagg tttttgtcga   1020
aatgtaagtt ttattcttcc taatttactg tgatttgtta atggatgaat tgtattttgc   1080
aaagatagtt agagaaatac ctccttcccc ttagctttat taaggtatca ttgataaata   1140
aaaataaaat atgtttaatg tatataatgt gattttaaa tatatatata tatatatata   1200
tacacacaca ttgtgaaata atgaaataaa ggtaattaac acatctaaaa aaaaaaaaaa   1260

<210> 8523
<211> 2405
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (19)...(1518)
<223> similar to gi4558638 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8523
tcccgggtcg acgtttcgtt ggcgatggcg gagggcgaga ggactgagtg tgctgagccc   60
ccccgggacg aaccccggc tgatggagct ctgaagcggg cagaggagct caagactcag   120
gccaatgact acttcaaagc caaggactac gagaacgcca tcaagttcta cagccaggcc   180
atcgagctga accccagcaa tgccatctac tatggcaacc gcagcctggc ctacctgcgc   240
actgagtgct atggctacgc gctgggagac gccacgcggg ccattgagct ggacaagaag   300

```
tacatcaagg gttattaccg ccgggctgcc agcaacatgg cactgggcaa gttccgggcc    360
gcgctgcgag actacgagac ggtggtcaag gtgaagcccc atgacaagga tgccaaaatg    420
aaataccagg agtgcaacaa gatcgtgaag cagaaggcct ttgagcgggc catcgcgggc    480
gacgagcaca agcgctccgt ggtggactcg ctggacatcg agagcatgac cattgaggat    540
gagtacagcg gacccaagct tgaagacggc aaagtgacaa tcagtttcat gaaggagctc    600
atgcagtggt acaaggacca gaagaaactg caccggaaat gtgcctacca gattctggta    660
caggtcaaag aggtcctctc caagctgagc acgctcgtgg aaaccacact caaagagaca    720
gagaagatta cagtatgtgg ggacacccat ggccagttct atgacctcct caacatattc    780
gagctcaacg gtttaccctc ggagaccaac ccctatatat ttaatggtga ctttgtggac    840
cgaggctcct tctctgtaga agtgatcctc acccttttcg gcttcaagct cctgtaccca    900
gatcactttc acctccttcg aggcaaccac gagacagaca acatgaacca gatctacggt    960
ttcgagggtg aggtgaaggc caagtacaca gcccagatgt acgagctctt tagcgaggtg   1020
ttcgagtggc tcccgttggc ccagtgcatc aacggcaaag tgctgatcat gcacggaggc   1080
ctgttcagtg aagacggtgt caccctggat gacatccgga aaattgagcg gaatcgacaa   1140
ccccccagatt cagggcccat gtgtgacctg ctctggtcag atccacagcc acagaacggg   1200
cgctcgatca gcaagcgggg cgtgagctgt cagtttgggc ctgacgtcac caaggccttc   1260
ttggaagaga acaacctgga ctatatcatc cgcagccacg aagtcaaggc cgagggctac   1320
gaggtggctc acggaggccg ctgtgtcacc gtcttctctg cccccaacta ctgcgaccag   1380
atggggaaca aagcctccta catccacctc cagggctctg acctacggcc tcagttccac   1440
cagttcacag cagtgcctca tcccaacgtc aagcccatgg cctatgccaa cacgctgctg   1500
cagctaggaa tgatgtgagg tgacgggcgg ggcggcctgc atcccagggc ccctccaatc   1560
ccaccggacc caggccctgg gctaggggca gagcaggccc cgccccaggg caatgttgga   1620
ccccctttta ctttgtaaag tttgtatttta ttcccctttta ggtttgcaga gggggtaggg   1680
gcagagtcag gggctggcca gagggtctgc tccctggaca gagaggaagg aggtggagca   1740
gctggggctg ggggcacagc ctgggcattc tgtggggagg ccgtcctcgg ggtggggtgg   1800
ggccgagtgg ctgccctgcc cccctcattt gcatggctcc tcccccactc aagcaatagg   1860
gccccgccat aggaagaccc ccagagagag ggtcagcagg ggggccccgc ctgcgcctcc   1920
cctcctatag ccccatggtg gggctaggct ggggctcacc cccctcccca gctattttat   1980
gtctgtaatt aaatatgtta aaataaagtc attatcggaa gtcagcttgt ctctggatgg   2040
tggagccgaa ggagctgccc gggttgggtt acgcctgctc aggagatccg gagggtgggg   2100
aggccgcaaa gtcccgctgg ccgggcccac ccagctctgg gctgaccgcc caagtggcct   2160
ctgcctctgc ccagcaccgt gggctcctgg ggagagttct gccccctggg tggggcgatg   2220
aggccagcac tgagtggagc ggagcggaag ctgaggcata gcctcatcct ttgctggctc   2280
cagcaacaag catgacagtg ccgctccctg ctccctgctc agggtaggcc cagcagtggt   2340
tcttgacatc acacgatgag gcgcgcatct cccggaattc caccacgtgg tctagggtcg   2400
tcaat                                                               2405
```

<210> 8524
<211> 2182
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(2183)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (43)...(1697)
<223> similar to gi3901030 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8524
```
agcccacctc aggtgccttc tcgccggcct tcctcaccca ccatgtctcg gcagtcctcc      60
atcaccttcc agtctggcag ccgcaggggc ttcagcacca cctcggccat cacccccggca     120
gctggccgct cccgcttcag ctctgtctct gtggcccgct ctgcagcagg gagtggggggc     180
ctgggaagga tcagcagtgc tggggccagc tttggaagcc gcagcctcta caacctgggg     240
ggtgccaagc gggtctccat caatgggtgt ggcagcagct gccgaagtgg ctttggtggc     300
agggccagca acgggtttgg agtcaacagt ggatttggct atggggtgtgg agttggagga     360
ggcttcagtg gccccagctt ccccgtgtgt cccctggag gcatccaaga ggtcactgtc     420
aaccagagtc tcctgactcc tcttcacctg caaatcgacc ccaccatcca gcgggtgcgg     480
gccgaggagc gcgagcagat caagaccctc aacaataagt tcgcctcctt catcgacaag     540
gtgaggttct tggagcagca gaacaaggtc ctggagacca agtgggccct cctgcaggag     600
cagggctcca ggactgtgag gcagaaccta gagcccctct ttgattccta taccagtgag     660
ctccgacggc agctggaaag catcaccacc gagaggggca ggcttgaagc tgaactgagg     720
aacatgcagg atgttgtgga agatttcaaa gtcaggtacg aagatgaaat taacaagcgc     780
acagctgctg agaatgaatt tgtagccctg aaaaaggacg tagatgctgc ctatatgaac     840
aaggtggagc tggaagccaa ggtcaaatct ctgcccgagg agatcaactt catccactca     900
gtctttgatg cagagctgtc ccagttgcag acccaggtcg gtgacacatc cgtggtgctg     960
tccatggaca acaaccgcaa cctggacctg gatagtatca tcgccgaggt caaagcacaa    1020
tacgaggaca ttgccaaccg cagccgggcc gaggctgagt cctggtacca gaccaagtac    1080
gaggagctgc aggtcaccgc aggcagacat ggggatgacc ttcgaaacac caaacaagag    1140
atctctgaaa tgaaccgcat gatccagagg ctgagagctg agattgacag cgtcaagaag    1200
cagtgttcca gcttgcaaac ggccattgct gatgcagagc agcgggggaga actggctctc    1260
aaggatgcac gggccaagct ggtggacctt gaggaggccc tgcagaaggc caagcaggac    1320
atggctcggc tcctgcgtga gtaccaggag ctgatgaaca tcaagctggc cctggacgtg    1380
gagatcgcca cctaccgcaa gctgctggaa ggcgaggagt gcaggttgag tggagaggga    1440
gtttctccag ttaacatttc tgtggtcacc tctactcttt ccagtggcta tggtcgcggc    1500
agcagcattg gaggtggaaa cctgggcctc ggtggggggca gcggctactc cttcaccacc    1560
agtggtgggc atagcctggg tgcaggcctg ggaggttctg gattcagtgc caccagcaac    1620
cggggcttag ggggcagtgg ttctagcgtc aagtttgtct ccaccacatc ctccagccag    1680
aagagctaca cgcactaaga gagccccatg gctccctcta ccctgccttg aggcctgttt    1740
gcagtcacac ctggacacca gggtcctcct ccttcctctc tccttgtaag gtgcacctgt    1800
gctgctggga gcctggagta ctggctatac ccattcccag gcctaagcca gcctctccct    1860
cctgacagtg cccagactgc cagcagcacc cgtctgttac acatgtgaaa ccaaagcctg    1920
ctctctccca aggctctcat tcagcctatc ttgcgaggcc cgggcagctg gaaagtcctc    1980
ctccagctcc acctccctcc ctccctccag atgcagaggc tggggagtct ctcaatgcca    2040
ggttgtcacc cacctgtctc atagtgtttta taagtggcct gctgggagtg agtgctccct    2100
ctgttccctc cctggaatgt gtctattaaa tgcatgtgtc acctgtttgg tgtctggccc    2160
ttccnnnana anaaaaaaaa aa                                              2182
```

<210> 8525
<211> 582
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (348)...(519)
<223> similar to gi403018 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

```
        <400> 8525
tttcgtgcgg cggcgagagc gacggtccca tctttcccac cctcttggtt gccgctggcc      60
acacgccctc cgctggcggc gacttctcag ctccgtgcgc ccgggctgga cagtgagcct     120
cgagaggaga tgcgggcggc tagagccgga gtggggcgag ccgcggaacc cggccgggag     180
ccgcgcgagg cgtgatcgga gggtatggtt ggcatggaat tgaatttcat ctgtctgtgg     240
gaattgtaag caagattgcc atcacgaaag ccaaagtgga tttctccagt gtggtgtgcc     300
tgcccccttc cgtcattgct gtgaatgggc tggacggagg aggggccggc gaaaatgatg     360
atgaaccagt gctcgtgtcc ttatctgcgg cacccagtcc ccagagtgaa gctgttgcca     420
atgaactgca ggagctctcc ttgcagcccg agctgaccct aggcctccac cctggcagga     480
atcccaattt gcctccactt agtgagcgga agaatgtgct acagttgaaa ctccagcagc     540
gccggacccg ggaagaactg gtgagccaag ggatcatgcc gc                        582




        <210> 8526
        <211> 1272
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (106)...(859)
        <223> similar to gi1086626 in the genepept database release 114,
              Run with FASTXY 3.3t00, default parameters




        <400> 8526
agcgctgccg tcgggaggcg ctccgaggtt cgaggctgtg ccccgcgacc ccgccttcgg      60
cgctcggctc gcaggatgga tcccgtaccc gggacagact cggcgccgct ggctggcctg     120
gcctggtcgt cggcctctgc accccccgccg cggggggttca gcgcgatctc ctgcaccgtc     180
gaggggggcac ccgccagctt tggcaagagc ttcgcgcaga aatctggcta cttcctgtgc     240
cttagttctc tgggcagcct agagaacccg caggagaacg tggtggccga tatccagatc     300
gtggtggaca agagcccccct gccgctgggc ttctcccccg tctgcgaccc catggattcc     360
aaggcctctg tgtccaagaa gaaacgcatg tgtgtgaagc tgttgcccct gggagccacg     420
gacacggctg tgtttgatgt ccggctgagt gggaagacca agacagtgcc tggatacctt     480
cgaataggggg acatgggcgg ctttgccatc tggtgcaaga aggccaaggc cccgaggcca     540
gtgcccaagc cccgaggtct cagccgggac atgcagggcc tctctctgga tgcagccagc     600
cagccaagta agggcggcct cctggagcgg acagcgtcaa ggctgggctc tcgggcatcc     660
actctgcgga ggaatgactc catctacgag gcctccagcc tctatggcat ctcagccatg     720
gatggggttc ccttcacact ccacccacga tttgagggca agagctgcag cccccctggcc     780
ttctctgctt ttggggacct gaccatcaag tctctggcgg acattgagga ggagtataac     840
tacggcttcg tggtggagaa gaccgcggct gcccgcctgc cccccagcgt ctcatagtcc     900
ctcaccttc cgcggaaaga gccccccttac tccacctccc cgccagcctg gggccacccc     960
ccctcactgc atcctggggg gccacccccc ctcactgcat cctgggccca ccccccctca    1020
ctgcatcctg ggaaccttcg ccctgcaagg cgtttgctat cttcaagcca ctgggcggag    1080
ctgcagccct ggaggagggg gcgggtcgag gctgcgtggt gatggggtct ccgcccccac    1140
gccctgccgg gcagggctgg agctggacag aagccagtgc ctttaagtca tttgtgtcaa    1200
aaccctctgg ggtccggagg ctgtgcgggt gtcctcctgg caataaacac tacccggttc    1260
tcaaaaaaaa aa                                                        1272




                                  7104
```

<210> 8527
<211> 805
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (718)...(192)
<223> similar to gi609013 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8527
ttttattttt agattttta attttcaaca aattgaacat ttacaacatt gttacaactg   60
agaacattga caacacaggg attttcaaca gagtacattt agcaaggatt ttttcagaa   120
gaaaacaaaa tgtcagtaca ttttgtattc catagcattg ctctgtggaa aattagctgg   180
catccatttt aaatgaaccc tgctgacctt cttccattcc gtggcctgaa taaaaaatat   240
cctcgacttt gacttgcaaa gggactttgg aattcttcgt ccactctgaa tctcttcatt   300
cttctctcat gcaggtgagg aacgagctgc agcaacggat gcacaactga cgacacaaca   360
tttgacttgc ccaacttctg tgtcttcgaa taatgaaata agaacctttt agtattatct   420
ttttcatctt gttcctgagg ctttggtagc attcccataa tcataaagca aagctcctcc   480
agtgcgttgg atgcctgagg ctgagaatca atggacagaa aagacgaaca agtatcatct   540
atctcattcc acaactgtag ctgttgttca ggctgtaatc cttgaggtaa tattggagca   600
cctcggcagg cgcccgcgca ccaggcgagc agcagcagca gcagcaggag cggggacgcc   660
tcggccacct gtccggcggg cgacctgggg cggcagctct ctgttcgcag catctcggcg   720
gctgcgggag gctcggtgct agggacgctg cgctgcgcca cgcgtagctg gtgctccacc   780
tggtgccctg gctgtgcctc ggggc   805

<210> 8528
<211> 5616
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (5550)...(3831)
<223> similar to gi1155088 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8528
gccccgccc ggcccgcccc gctctcctag tcccttgcaa cctggcgctg catccgggcc   60
actgtcccag gtcccaggtc ccggcccgga gctatggagc ggcgctggcc cctggggcta   120
gggctggtgc tgctgctctg cgccccgctg ccccgggggg cgcgcgccaa ggaagttact   180
ctgatggaca caagcaaggc acagggagag ctgggctggc tgctggatcc cccaaaagat   240

```
gggtggagtg aacagcaaca gatactgaat gggacacccc tctacatgta ccaggactgc    300
ccaatgcaag gacgcagaga cactgaccac tggcttcgct ccaattggat ctaccgcggg    360
gaggaggctt cccgcgtcca cgtggagctg cagttcaccg tgcgggactg caagagtttc    420
cctggggag ccgggcctct gggctgcaag agagaccttca accttctgta catggagagt    480
gaccaggatg tgggcattca gctccgacgg cccttgttcc agaaggtaac cacggtggct    540
gcagacccag agcttcacca ttcgagacct tgcgtctggc tccgtgaagc tgaatgtgga    600
gcgctgctct ctgggccgcc tgacccgccg tggcctctac ttcgctttttc cacaacccgg    660
gtgcctgtgt ggccctggtg tctgtccggg tcttctacca gcgctgtcct gagaccctga    720
atggcttggc ccaattccca gacactctgc ctggccccgc tgggttggtg gaagtggcgg    780
tgacctgctt gccccacgcg cgggccagcc ccaggccctc aggtgcaccc cgcatgcact    840
gcagccctga tggcgagtgg ctggtgcctg taggacggtg ccactgtgag cctggctatg    900
aggaaggtgg cagtggcgaa gcatgtgttg cctgccctag cggctcctac cggatggaca    960
tggacacacc ccattgtctc acgtgccccc agcagagcac tgctgagtct gaggggggcca   1020
ccatctgtac ctgtgagagc ggccattaca gagctcccgg ggagggcccc caggtggcat   1080
gcacaggtcc cccctcggcc ccccgaaacc tgagcttctc tgcctcaggg actcagctct   1140
ccctgcgttg ggaacccca gcagatacgg ggggacgcca ggatgtcaga tacagtgtga   1200
ggtgttccca gtgtcaggc acagcacagg acgggggggcc ctgccagccc tgtggggtgg   1260
gcgtgcactt ctcgccgggg gcccgggcgc tcaccacacc tgcagtgcat gtcaatggcc   1320
ttgaacctta tgccaactac acctttaatg tggaagccca aaatggagtg tcagggctgg   1380
gcagctctgg ccatgccagc acctcagtca gcatcagcat ggggcatgca gagtcactgt   1440
caggcctgtc tctgagactg gtgaagaaag aaccgaggca actagagctg acctgggcgg   1500
ggtcccggcc ccgaagccct ggggcgaacc tgacctatga gctgcacgtg ctgaaccagg   1560
atgaagaacg gtaccagatg gttctagaac ccagggtctt gctgacagag ctgcagcctg   1620
acaccacata catcgtcaga gtccgaatgc tgaccccact gggtcctggc cctttctccc   1680
ctgatcatga gtttcggacc agcccaccag tgtccagggg cctgactgga ggagagattg   1740
tagccgtcat ctttgggctg ctgcttggtg cagccttgct gcttgggatt ctcgttttcc   1800
ggtccaggag agcccagcgg cagaggcagc agaggcagcg tgaccgcgcc accgatgtgg   1860
atcgagagga caagctgtgg ctgaagcctt atgtggtacc tccaggcata cgaggaccct   1920
gcacagggag ccttggactt tacccggagg ctggtctaat tttccttccc gggagcttga   1980
tccagcgtgg ctgatggtgg acactgtcat aggagaagga gagtttgggg aagtgtatcg   2040
agggaccctc aggctcccca gccaggactg caagactgtg gccattaaga ccttaaaaga   2100
cacatcccca ggtggccagt ggtggaactt ccttcgagag gcaactatca tgggccagtt   2160
tagccacccg catattctgc atctggaagg cgtcgtcaca aagcgaaagc cgatcatgat   2220
catcacagaa tttatggaga atggagccct ggatgccttc ctgagggagc gggaggacca   2280
gctggtccct gggcagctag tggccatgct gcagggcata gcatctggca tgaactacct   2340
cagtaatcac aattatgtcc accgggacct ggctgccaga aacatcttgg tgaatcaaaa   2400
cctgtgctgc aaggtgtctg actttggcct gactcgcctc ctggatgact ttgatggcac   2460
atacgaaacc caggggagga agatccctat ccgttggaca gcccctgaag ccattgccca   2520
tcggatcttc accacagcca gcgatgtgtg gagctttggg attgtgatgt gggaggtgct   2580
gagctttggg gacaagcctt atgggggagat gagcaatcag gaggttatga agagcattga   2640
ggatgggtac cggttgcccc ctcctgtgga ctgccctgcc cctctgtatg agctcatgaa   2700
gaactgctgg gcatatgacc gtgcccgccg gccacacttc cagaagcttc aggcacatct   2760
ggagcaactg cttgccaacc cccactccct gcggaccatt gccaactttg accccagggt   2820
gactcttcgc ctgcccagcc tgagtggctc agatgggatc ccgtatcgaa ccgtctctga   2880
gtggctcgag tccatacgca tgaaacgcta tcctgcac ttccactcgg ctgggctgga   2940
caccatggag tgtgtgctgg agctgaccgc tgaggacctg acgcagatgg gaatcacact   3000
gccgggcac cagaagcgca ttcttttgcag tattcaggga ttcaaggact gatccctcct   3060
ctcaccccat acccaatcag ggtgcaagga gcaaggacgg ggccaaggtc gctcatggtc   3120
actccctgcg ccccttccca caacctgcca gactaggcta tcggtgctgc ttctgcccac   3180
tttcaggaga accctgctct gcaccccaga aaacctcttt gttttaaaag ggaggtgggg   3240
gtagaagtaa aaggatgatc atgggaggga gctgaggggt taatatatat acatacatac   3300
acatatatat atttttgtaa ataaacagga actgattttc tgcctccatc ccacccatga   3360
gggctgcagg cactacaaaa gagctgacta ctgagaattc tggaaaacaa ggttttttt   3420
tatttgtagc tatagctaca acttggcagc atgggggagg gtgggaatgt cctggagggt   3480
ctcccagccc tccgcaagca gagtacaaag gctgctcggg gggccagccg agggcgcggg   3540
tgcagcagtg aaagcagcag cactaaacct ggtgccccccc tcaggtgggg tgtctggaag   3600
acggtgggca atccctgcag gatgggcgag gaccagaccc cagggcgggg atcctgcatc   3660
```

7106

```
cctagaccat gttgggtcct gggtcagggc acctgggatg ctagggaggg gttggaaatg   3720
ggaggggcta gacatcaaaa caataactga ggtggggggca ggtggtctca gtgtgggtgg   3780
tccacaatgg ggcatggact gcggtctgaa gagggcctgt cctcactcag gtctgggctc   3840
tagcagtgtg gcacttccga cagagcacgt gaccgtccag ggggaagcag ccattgtcat   3900
ctgcctcaat cgacaggggc ttcccgcagt cctcacactt gtaacacttc atgtggaagt   3960
tcttgtccag ggcgaccact cgcacagtct catctcggcc aggctcaggc atgatgggct   4020
cagagcagac ggagcacctc ggggcgtact gcttgtggta gtcggggaca cagtggggcc   4080
ggttggcctg gtccacgatg aaggaggtgc cctccagggg gcgggcgcag accacacagg   4140
tgaagcagtg cgggtgatag gccttgcccg tggccctcag catgcggtca gtgatgggct   4200
ccccgcaggt gttacacttc tccagggtgt cagtgtaaca gccctcgcag tacggcgccc   4260
cctccagact gtagaactgc tggccctgga gctgctgcgc acactggtgg caggtgaagc   4320
aggcgatgtg gaacagctgc cctagagcgc ggacggctgg ctgcgcccgg gccagggggtt   4380
gatggcatcg gccgcagagt tcgttgacag ccacattctg cctctgagga tgctccatgt   4440
cctgcattag ctgctgggtc agctgctcca gctcctccac ctccttcaga gtcaggggcc   4500
ctggggcccc aggggagcgc acctggtttt ggttctgagc cggtgggggc acgggggtgct   4560
gcttctcctg cactcggggc ttctcccctct gctgggcata ggtgaagctg ggaggttgag   4620
gggagcctgt gccagcagaa agagcttcgg ggtgccccaa tttttgattt ggttgtgacc   4680
cagatccacc tggggctcca ggactgaact tggaagccac aggagtaaac ttaggagtca   4740
ctggagaaaa cttaggggct ggagccggag atgaggctgg gggccctcgg ggctgggtgt   4800
tagccaaaga cacaggctgg gtctgggact ggacatggag ttggacctga ggcttgggct   4860
ggggctgggg ctgaacatgg aactgtgtct ggctctgagc cggagccgga acctggggca   4920
gaggctggga gctggaaggg gacttccaag gaggcagggg tgctgtgccc ccggctgcag   4980
gcttggtact ggacttggaa ctgaatggag tggccactgg tgggggcaca tatccagatg   5040
acacccgggc tttgaaagga tcattcttgg tcatgtcatc cagcagtgag gacagagagt   5100
cgatctccaa atcaatactg ctcaccttct ccctgggctg tggtgggggc ggtatggggg   5160
cctcaggccc tccctcctcc tccggaggag gcggcgggga agggaagatc tcctcctcca   5220
gaggcgcagg gagaaatgat tcctcgatcg ggggaggggg cggcgggaag gcacctccca   5280
gagcaccctc tgcatcgtcg ccatccccag caaggggagg tggaggcagg ggaaagtctt   5340
ccggggggcgg cggggggaatc tcgcccaccc ggcccatctg tgcgcgctgg gccccgggtg   5400
ccggggggagg ctcgctgtcc ccgggccgga agggattcac tttgggcttt ggggccacca   5460
cagggccgaa cttcttctgc ggggcgtaaa aagccggagc cgagaccgaa acggagatcg   5520
cgggagacgg gcgggggggcc gccatggccg ggccgggctg cgcaggccgg agcgtgcgcg   5580
ccgcgtctcg ggtggccgcc tcggcgccgg gtccgc                             5616
```

<210> 8529
<211> 371
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (91)...(246)
<223> similar to gi963092 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8529
```
agagcgaaca gggagcggag cttttgtctg tcggactccc tggactgaag agagggagaa    60
tagaagccca agactaatat tctcaagacg gtttattacc cacaactctt tgtctgggtc   120
agtcaagaac catttccaaa caaggacatg gagggaaggc ttcctaaggg aaaacttcct   180
gacccaaagg aagggaaccg caagaaaaac gatgagacaa acgctgcctc cctgactcca   240
```

7107

```
cttttttttaa tcggaacacc tccatttgta ttacatatgg tgtatgggta ttgatgaggt      300
catggtatca tatatgggat tttttcttgt gtaaatcatc aagtataatg aagaaactat      360
gggactcttg g                                                           371
```

```
<210> 8530
<211> 2059
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (106)...(1181)
<223> similar to gi4827159 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 8530
acgatcccga gctcggcagc agcgcagcgg gccggcccac ctgctggtgc cctggaggct       60
ctgagccccg gcggcgcccg ggcccacgcg gaacgacggg gcgagatgcg agccaccct       120
ctggctgctc ctgcgggttc cctgtccagg aagaagcggt tggagttgga tgacaactta      180
gataccgagc gtcccgtcca gaaacgagct cgaagtgggc cccagcccag actgcccccc      240
tgcctgttgc ccctgagccc acctactgct ccagatcgtg caactgctgt ggccactgcc      300
tcccgtcttg ggccctatgt cctcctggag cccgaggagg gcgggcgggc ctaccaggcc      360
ctgcactgcc ctacaggcac tgagtatacc tgcagggtgt accccgtcca ggaagccctg      420
gccgtgctgg agccctatgc gcggctgccc ccgcacaagc atgtggctcg gcccactgag      480
gtcctggctg gtacccagct cctctacgcc tttttcactc ggacccatgg ggacatgcac      540
agcctggtgc gaagccgcca ccgtatccct gagcctgagg ctgccgtgct cttccgccag      600
atggccaccg ccctggcgca ctgtcaccag cacggtctgg tcctgcgtga tctcaagctg      660
tgtcgctttg tcttcgctga ccgtgagagg aagaagctgg tgctggagaa cctggaggac      720
tcctgcgtgc tgactgggcc agatgattcc ctgtgggaca agcacgcgtg cccagcctac      780
gtgggacctg agatactcag ctcacgggcc tcatactcgg gcaaggcagc cgatgtctgg      840
agcctgggcg tggcgctctt caccatgctg gccggccact accccttcca ggactcggag      900
cctgtcctgc tcttcggcaa gatccgccgc ggggcctacg ccttgcctgc aggcctctcg      960
gcccctgccc gctgtctggt tcgctgcctc cttcgtcggg agccagctga acggctcaca     1020
gccacaggca tcctcctgca cccctggctg cgacaggacc cgatgcccctt agccccaacc     1080
cgatcccatc tctgggaggc tgcccaggtg gtccctgatg gactggggct ggacgaagcc     1140
agggaagagg agggagacag agaagtggtt ctgtatggct aggaccaccc tactacacgc     1200
tcagctgcca acagtggatt gagtttgggg gtagctccaa gccttctcct gcctctgaac     1260
tgagccaaac cttcagtgcc ttccagaagg gagaaaggca gaagcctgtg tggagtgtgc     1320
tgtgtacaca tctgctttgt tccacacaca tgcagttcct gcttgggtgc ttatcaggtg     1380
ccaagcccctg ttctcggtgc tgggagtaca gcagtgagca aaggagacaa tattccctgc    1440
tcacagagat gacaaactgg catccttgag ctgacaacac ttttccatga ccataggtca     1500
ctgtctacac tgggtacact ttgtaccagt gtcggcctcc actgatgctg gtgctcaggc     1560
acctctgtcc aaggacaatc cctttcacaa acaaaccagc tgcctttgta tcttgtacct     1620
tttcagagaa agggaggtat ccctgtgcca aaggctccag gcctctcccc tgcaactcag     1680
gacccaagcc cagctcactc tgggaactgt gttcccagca tctctgtcct cttgattaag     1740
agattctcct tccaggccta agcctgggat ttgggccaga gataagaatc caaactatga     1800
ggctagttct tgtctaactc aagactgttc tggaatgagg gtccaggcct gtcaaccatg     1860
gggcttctga cctgagcacc aaggttgagg gacaggatta ggcagggtct gtcctgtggc     1920
cacctggaaa gtcccaggtg ggactcttct ggggacactt ggggtccaca atcccaggtc     1980
catactctag gttttggata ccatgagtat gtatgtttac ctgtgcctaa taaaggagaa     2040
```

<210> 8531
<211> 2652
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (556)...(1288)
<223> similar to gi1665801 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8531
ccttcaagtc ctaaccttta acctctggaa gaaaggatga tgaccaagat ggaccccaat   60
gaccaggctc aaagggacat catatttgaa ctgaggagga ttgcatttga cgcagagtct   120
gatcctagca atgcccctgg gagtgggacc gaaaaacgca aagccatgta cacaaaggac   180
tacaaaatgc tgggatttac caaccacatc aatccagcca tggactttac ccagactcct   240
cctggaatgc tggccttgga caacatgctg tacttggcta aagtccacca ggacacctac   300
atccggattg tcttggagaa cagtagccgg gaagacaaac atgaatgccc ctttggccgc   360
agtgccattg agctcaccaa aatgctctgt gaaatcctgc aggttgggga actaccaaat   420
gaaggacgca atgactacca cccgatgttc tttacccatg accgagcctt tgaagagctc   480
tttggaatct gcatccagct gttgaacaag acctggaagg agatgagggc aacagcagag   540
gacttcaaca aggttatgca agtcgtccga gagcaaatca ctcgagcttt gccctccaaa   600
cccaactctt tggatcagtt caagagcaaa ttgcgtagcc tgagttactc tgagattcta   660
cgactgcgcc agtctgagag gatgagtcag gatgacttcc agtccccgcc aattgtggag   720
ctgaggagaga agatccagcc cgagatcctt gagctgatca agcagcagcg cctgaaccgg   780
ctctgtgagg gcagcagctt ccgaaagatt gggaaccgcc gaaggcaaga acggttctgg   840
tactgccggt tggcactgaa ccacaaggtc cttcactatg gtgacttgga tgacaaccca   900
caaggggagg tgacatttga atccctgcag gagaaaattc ctgttgcaga cattaaggcc   960
attgtcactg ggaaagattg tccccacatg aaagagaaaa gtgctctgaa acagaacaag   1020
gaggtgttgg aattggcctt ctccatcctg tatgaccctg atgagacctt aaacttcatc   1080
gcacctaata aatatgagta ctgcatctgg attgacggcc tcagtgccct tctggggaag   1140
gacatgtcca gtgagctgac caagagtgac ctggacaccc tgctgagcat ggagatgaag   1200
ctgcggctcc tggacctgga gaacatccag attcccgaag ccccaccccc catccccaag   1260
gagcccagca gctatgactt tgtctatcac tatggctgag cctggagcca gaaacgacgg   1320
tacccaggag aagggatttt gggcccagga gaaacactta cattctggtg ccttgtcttt   1380
tgcttgtaca gaatctgtag tgattttggt ggccagtaaa tgccagccat ttctcaaacc   1440
cacctcggac cacccagagt ttcctcttgg tccctgtcta ctaagagtca tgaaggcagg   1500
gtgctctgcc cactccatca ccatgaagcc tgggattggg ccacgaggaa caaacagcag   1560
atgcccttgc cttccagtcc aagaaactgc ttcttgaaat ggatttaaca acagccactc   1620
accttttcct cctgagcctg ctctctgatc agctggatcc ccacgtgagc aacagttggc   1680
ccaggaaagg ctgcctgcag aggacaggtg tgttgggcgt gttgagagcc ttgaagtgac   1740
tacctgtatc ttagatctga gtacaagcct gaggcttttg cttttgtctt ttttgatgag   1800
ggctcactcc agcttcatat ggtgccaaga cgttgctgct tctgaggttg gctctaacat   1860
ctctggtctt tagagccacc agatctctct ggcccataca gatatcagag cagacggaaa   1920
tttctccctg caagcgctca gtctcatccc agcaagtcaa agacctcctg gccaagtcct   1980
gccctcttaa gtctccagga acgctgcagg gaaaacccag ctgaggcctg ggcctagact   2040
gtggtgaggt cactagattc tactgctctt cccccacatt aatacctttt ccttcctcag   2100
agagaaatct cccctaacct gaattgcagc cccctccagt ttgctttcct ttggccttcc   2160

```
agaccccagg aagttggcct tcccttccta gtgctatggt ttctgccatt ggccatgatt    2220
tcagggagct ggctgaggcc ggctgaggcc acacctgtgc cagtggggct tccctggtgc    2280
tgcagcactt gtaaaccaca cacacagcct ctctccctgg acatacgtta gcacattggc    2340
attcagtatt ggtggcctgg catggtaggt actacccaat gaagagtgta ctatatattt    2400
tcattactat aggccatact tatacagacg tgtatatata tttatataag atctacctat    2460
cttaggatgg aaccttgggg aaaaataaaa ttgaggggaa gtaaaaagta tgtaacactt    2520
ccagttgtga gccaagattg taaccagaga gcagccagga gcttcctgtc agtaaccatg    2580
ttttcaataa atactctttc atgtacaaaa aaaaaaaagg gggggccgtt ttaaaggacc    2640
cagccttacc cc                                                        2652
```

```
<400> 8532
caaagggttc tttaaaaagg gcgccccttt tttttttttt tgattgtaaa tgtttttaata     60
gaaatacaca atctttcact ttctcagaca gcaataaagg ggtttgtaac aatcactaag    120
aatacagaat tttgccacga ggatgcagca taatctactg caaagctgat ctgcccaatt    180
acacgtagtc agctgcaaga atatcagaaa tcaatacaaa caagtattga caggtgttac    240
agacatgcaa aatatccttc aatgcaacga attttttaaga aatcagctag cctatattaa    300
tcagatgttt taggtcaaac caagtttcca tcttgggctc agtgaaatag tattaactca    360
ttgagtctcc tttcccccag gaatgttggg aatggcagaa cagaaagagc tatcactcct    420
taaattcttt tatgcaagtg ttactccaac acttatttta cttggtttac ttggaatgta    480
tgagaggaaa ctgatgtttt ttacaatggc caactgtatg tctaaatttt cagttctcct    540
ttttgtgagt ttcctgccag aaatccttgt taaaggatca gcgggtgttc accccgaagt    600
tcttgctgtt ttcagtgtcc tactgcagac aggtttaaaa agccaactga acagcagcag    660
aatgaagtat ttttgaggtc tattcaaaaa tgtacagtcc caccactcac tagaacaagt    720
acacaagtaa atggactcag ccagtgcagg agatggaagg ctgccatttt ttatgtttgt    780
gcacagcctt acagtttgga ggtgtgtttg gcctactcta atatttctag tttgtcaaag    840
gctgtacact gttactgcca gtttgaccta catactgtgt tccctttgga tccctgctac    900
catttggacc tcgtgtgtgt gtgtgtgtat gtgtgtttgt gtgtgtgtgg tttggtttgg    960
tttgagacag ggtcttgcac tgtcacccca gctgcagtgc agtggcacaa tctcggctca   1020
ctgcagcctt gacctcctga gctcaggatc ctcccatctc agcttcttga gtagctggga   1080
caacaggtgt gtgccatcac acccagctaa tttttttatt ttttgtagag atagggggtct   1140
cactacgttg cccaagctgg tcttgaactc ctggcttcaa gcgatgctcc cacctaggtg   1200
tcccaaagtg ctgggattac aggtgtgagc cacattcctg ctgagtttg gaacttgtaa   1260
tctcattgtt ttctaaataa tgtttcattt ttcttcagtg ttgaaaatag ttgatttact   1320
taagaatggc atgatcatga tgttccaaga ttctgattag tttctttcaa agcattctgc   1380
gcctcttcaa tgcccacact gctgagcact ataataatag atgttgttag gccaaaggat   1440
gtcagatgta aaatatgttc tctagcccca ctcttagaaa tgttttatca atgactcagt   1500
ccacttgatt ttcaaaaagt caatgccatc ccattaaaca agtaacccct taggtacaga   1560
ataattaatt cctgcctgag tcactttaac agccttctat agagtgacat agtcttgctt   1620
tttttcacaa gcaatagctg aaaagaacaa atctcaactg taagaactgt cagtacattg   1680
```

```
tagggataaa gcactttttg aaaaaaaaat ctctggcatg tattagacag actgaacatg    1740
agatagggtt ggggtgggct gagccttttg gtgtcattaa ctgaatacac aagaatgaac    1800
ctctcatcag atatcaggaa tccatgtcat gcaagtacta caataagata acagtaaatt    1860
caggaatgtt actggggaaa aggaagatag cctcactgag aatttaatca tttaacatta    1920
aaaaaacttt tacattggtt caagaaggta aaactgtaag aatcagatta ggctcaaact    1980
ggcaagaagc catctaaatc tttctttta gtggatcttt ttctttttt gtccatagcg    2040
ccgtctgcgc tgtttataaa ggtgacgaaa atttatgtat aaacctaaaa atatcattat    2100
aagataaatc tgaagaaaaa aggaaaatct aactttgatt ttcactggat atggcaatgt    2160
gaaactgaat cgtccggtct cattgaatat tggaatggac tgaatcactg agacagcttc    2220
cgccaaacat cccagtggat ataagggaat ccacagagtg taacgaagcc atgtgagcac    2280
cttccaatcc atgtcaatgc acgtcagcat gtagaaagag tacctgaaaa tttcaattgc    2340
actccacaaa taaaacacaa agaaaccac agctttgttc tgcatttctt ccatggtgcc    2400
aaagatgata aacaaaataa aatttcttcc aagaagctgg atcagagaag gcagcaccgg    2460
tgacgtagtg actccaattg ctgcattgat agtttccaca actgccagca tctggcagaa    2520
atacatcatg tcagccacag tatggaatgt gtcataaaag gactcttttc ccaagataca    2580
gaatcgcaca gtcaggttga caaagatcca ggagaatccc aagaattgca caagattata    2640
cataaacagg tatcctttcc ttaagtttgt aagagtttca ggagagcctt cgctttccag    2700
tcggagttta tttaggcgct cttcttcctt agctctgagc tccatttccg catcagattc    2760
atccagccaa cgatcaaagt caggagccaa aaacagtggt cgcttttcct gctttgtgag    2820
tctctcccac cactgactca ctttcttctg tactgtaatg tttacctgcc tctgggtcag    2880
tttgtaaaca ggctctggtt tcacaaggtc taagaactcc aggtgaaatt catagacatt    2940
gtctcctttg gcaccatgtc cttgagcttt gaaatgcagc acgtttcag tgatgctgat    3000
ggcagggttc tgtacgtcac tcagctccac gcgcagatat agctcgcggt gtcgctgagc    3060
ccagtagaca tgcggcgtca acacctgatt ctccatggcc acactgccca gggcgcgggg    3120
aggctaggct cgctgcgcct cgctgcctca ggtagtgctc tgctggcgcg agcagaaagc    3180
aggcctcaaa ccctagcgct cctgagcgcc tgcaacccgg cacctcgagc cggg          3234
```

```
        <400> 8533
gctccagcct ccaacgacta aggctgcaag gtcagacgag aggcagaggc cccagggccg      60
agtcctgtag tgaagactgt ctgcacgatg aactcctaga aaaatataggga cttctgctgc     120
tgaggttttg tcaggttaac gcggttacaa aagcagggtc accactggct gaagacatcg     180
acacgggcgc cactcgcccg tgtgtgtatt taaatctatc agcttagcac cattgcaaag     240
tcaagtgatt tcaaagatag ctacaaagtt acaaatatat attatgagat tattacaatg     300
atattcagtt tcatctgaac tgtgatttaa ttttatttga atttggaggc ttgtaactgt     360
ttaatccttt cttattccgc cacacaggaa aatgcctaag ttctaacgtt acacttaaaa     420
ctgcactgtg ataacacacg gttgtacaga atgcttcagc agtatgtgta ttttgaggta     480
gacaggtaat atttattcat acacagctac tcatagaccc ttatacagtg actctagaaa     540
atgatttgga tgaatagcaa gcttaggtaa ctgagtaact caaaccgtcc tgggagttga     600
tgggcttaaa gaaagagatg aattttgacc aattcctaac aaagaacttg cttttgtttt     660
```

7111

```
aaaaggcctt acactgacaa tcactcagat ggaattaata tgcatgtttt tctcatccct      720
aagataaggt ctcttgagct gctttttatc taaagaaagc agaagaaaac agcgaaattc      780
aagaaaaaaa atctccaagg tggttggctt cttggaaagc ctgaatggtg gccaaggacc      840
acctgggctc ccaaggagtg gagggaggag ggattcagtt ccacaggaaa taaatgggaa      900
cagcccggtg gagaagacaa tgacaactgc aggacaacac ctcaaccact ccagaaaaca      960
gcccttgctc ctccttctgg ccttttcata tttccaagtt actgttttaa aggaaaaaaa     1020
aaaatgtgtg tgtggctgtt tattctctaa tgtgacaaaa acatgaccat ccgggaggag     1080
aggggctaac ggtgcaacca actgaggctg aaacacagat tcagctgaaa tgcagcttct     1140
gcagagcggg ggccggcttc cctcctagcc cttcagctgc tcaccctgtc cctgcagctc     1200
tgaaaaacgc ccttccagta agcggccaag gagcacacga gctcctccca ccagcaaagg     1260
ggaaggggag gccttggaca gacggggcag tgagtgtgtc tgggcataag cccgaagcca     1320
ccaccagcaa atcctcccca cggatgccag gagagctctg atcctaacca ccaccacctc     1380
tcccttcagc aaaatcaaaa cagggaaaga aaacatagga aaccaaacgg cggcactcaa     1440
caatttgggg gaacaagtaa ttttaaaag taagagttgt tccgtaaacc agcactgagc     1500
tggtcacacg gcctctggtc tacctgctga gcatgtcaga aatcccgacg tggcgtctgg     1560
ggccccgttt ccagggctgg gtgtgtcagc cacaggtgag cgacagttct gagtgagtcc     1620
aagtgccgac ctcacacaat gaaaggcgaa ccagtcaggg agctgctgtt gtgtttcata     1680
aggtgggaaa ttaaatacaa tggttaaatc ataatgttaa tggaaacctc ttttggtttg     1740
cttttaaatt aatttttat ataacttcta aatcttcaag aagctaaagg caacataaat     1800
attgtcattc accatgaaaa gacattttt caataactta ggaaggattc aataaaagtc     1860
caactacact tgaggcttat catgaaacct aaaattcata aactaaactg aagtgaattc     1920
agattttcaa gacctggaaa gcaagcagag ggagctcgtg tcagaaggtg actcagaacc     1980
gtgttgcctg gagcatcact ctccctgcaa ggctgaagca cggggtgggg cgggggagag     2040
gacgatcggc tctgggagac tgtgaagtgt tttcatcctc tgtaaacgtg gtgctggtag     2100
tgtcttgttg agtgtgaatt ctctctcata caaaagttat aaatattctc tattcagaag     2160
tctggtccac atgacaccca gaggcaatgt tcttaagcgc ggcggccggg agcacccaag     2220
ggtgcgaggg cccagtctgt gggcgctgtg tggcaccatt cacagcaagt ccatcttggg     2280
tctgtagtgc agcaggagcg cgcgccttctt gaatctccac ctagtgacaa ccacgaactt     2340
gagtgtgtgg tccttgccca ggatctcctc gttgcataaa atgtccagct cgttaaagga     2400
tgaaaggttg agttttttgg cgatgaactt cttcagatgc aagacggtcg cctgggctga     2460
gcagcggatc cacttccgct tcagcccgcg cagtttgctg ctgttacact ccaggcagat     2520
gctcacctgc tcgtcgctgc ggtggtagtc gttgtcctcc tccggcttct cctccgcggc     2580
ctctttgttt gaactgtcgt ctgctttggt ttcaccattc cgatgggaat ctaagtgctg     2640
ttttgcagag caggtctccc ccttgatgtc tcccggcacc tccatgccca atttgtgata     2700
gaactccctc tgctttctca tttccgcttc ttggaggcct ggtaccaatt tgtaaacaat     2760
atcttgcatg gttctgtcat gaccgatgta ctgcaggggg tggctctggt ggatcacaat     2820
cctgcaggtg gggcaggtgt tgttctcctc caggtacttc accaggcagc tcctgcagaa     2880
ggtgtgcaga cactcggtca ccgtggtggc gtcgatgagg tacccgctgc acaggcggca     2940
ggtgatgtgg gcgttgatgt cccacagctt gatcttcctg gtcaacatct ttggcttctc     3000
cgctagacgt ccgcgtgtcc gtccctctgc cggggcatgg aggcttcagg ccagcactcc     3060
cacgcgacgc tgcctcctgg ctccgcacgc ggactcgctt ctgcaccctc cttccggccc     3120
tggctctttt tccatttct gagcacgacg cctggggtcc ctgctacatt gtgacgcctg     3180
cggtctcggg gctgcgggcg agcaaggcgc acgcggggtc cgcgccggag ggggagggg     3240
gcgccgctcc ctctgggtcc cccccaagag gaggagaaaa aagcccgtcc ggcctcgtgc     3300
caagctggcg tggtcatggt catgcc                                         3326
```

        <210> 8534
        <211> 1486
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature

                                        7112

<222> (169)...(1055)
<223> similar to gi1262329 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8534
ccgggtcgac ccacgcgtcc ggcagagcgg agcgtggaga gcggagcgaa gctggataac   60
aggggaccga tgatgtggcg accatcagtt ctgctgcttc tgttgctact gaggcacggg   120
gcccagggga agccatcccc agacgcaggc cctcatggcc aggggagggt gcaccaggcg   180
gcccccctga gcgacgctcc ccatgatgac gcccacggga acttccagta cgaccatgag   240
gctttcctgg gacgggaagt ggccaaggaa ttcgaccaac tcaccccaga ggaaagccag   300
gcccgtctgg ggcggatcgt ggaccgcatg gaccgcgcgg gggacggcga cggctgggtg   360
tcgctggccg agcttcgcgc gtggatcgcg cacacgcagc agcggcacat acgggactcg   420
gtgagcgcgg cctgggacac gtacgacacg gaccgcgacg ggcgtgtggg ttgggaggag   480
ctgcgcaacg ccacctatgg ccactacgcg cccggtgaag aatttcatga cgtggaggat   540
gcagagacct acaaaaagat gctggctcgg gacgagcggc gtttccgggt ggccgaccag   600
gatgggact cgatggccac tcgagaggag ctgacagcct tcctgcaccc cgaggagttc   660
cctcacatgc gggacatcgt gattgctgaa accctggagg acctggacag aaacaaagat   720
ggctatgtcc aggtggagga gtacatcgcg gatctgtact cagccgagcc tggggaggag   780
gagccggcgt gggtgcagac ggagaggcag cagttccggg acttccggga tctgaacaag   840
gatgggcacc tggatgggag tgaggtgggc cactgggtgc tgccccctgc ccaagaccag   900
cccctggggg aagccaacca cctgctgcac gagagcgaca cggacaagga tgggcggctg   960
agcaaagcgg aaatcctggg taattggaac atgtttgggg gcagtcaggc caccaactat   1020
ggcgaggacc tgacccggca ccacgatgag ctgtgagcac cgcgcacctg ccacagcctc   1080
agaggcccgc acaatgaccg gaggaggggc cgctgtggtc tggcccctc cctgtccagg   1140
ccccgcagga ggcagatgca gtcccaggca tcctcctgcc cctgggctct cagggacccc   1200
ctgggtcggg cttctgtccc tgtcacaccc ccaaccccag ggaggggctg tcatagtccc   1260
agaggataag caataccat ttctgactga gtctcccagc ccagacccag ggacccttgg   1320
ccccaagctc agctctaaga accgccccaa ccctccagc tccaaatctg agcctccacc   1380
acatagactg aaactcccct ggccccagcc ctctcctgcc tggcctggcc tgggacacct   1440
cctctctgcc aggaggcaat aaaagccagc gccgggaaaa aaaaaa   1486

<210> 8535
<211> 449
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (60)...(437)
<223> similar to gi510541 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8535
tcccggggc cccacgcgtc cgcttggaaa cccacccaga acctttaccc tctgacacca   60
tggtcagctc ctgttgtggt tccgtctgct ctgaccaggg ctgtggcctg gagacctgct   120
gccgccccag ctgctgtcag accacctgct gcaggaccac ctgctgccgc cccagctgct   180
gtgtgtccag ctgctgcaga ccccagtgct gccagtctgt gtgctgccag cccacctgct   240

```
gccgtcccag ctgctgtccc agctgctgtc agaccacctg ctgcaggacc acctgctgcc    300
gccctagctg ctgtgtatcc agctgctgca gaccccagtg ctgccagtct gtgtgctgcc    360
agcccacttg ctgccgtccc agctgcagca tctccagctg ctgtcgcccc agctgctgtg    420
tgtccaggtg ctgcaggtcc cagcgctgc                                      449
```

<210> 8536
<211> 409
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (18)...(217)
<223> similar to gi512031 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8536
```
ctccaccctc tgacgccatg gtcagctcct gctgtggctc tgtctgctct gaccagagct     60
gtggtcaagg tctcggccag gagagctgct gccgccccag ctgctgccag accacctgct    120
gcaggaccac ctgctgccgc cccagctgct gcatttccag ttgctgcagg ccttcctgct    180
gtatctccag ctgctgcaaa cccagctgct gcctgaccac ctgctgcagg accacctgct    240
gccgccccag ctgctgcatt tccagttgct gcaggccttc ctgctgtatc tccagctgct    300
gcaaacccag ctgctgcagg accacctgct gccgccccag ctgctgcatt tccagttgct    360
gcaggccttc ctgctgtatc tccagctgct gcaaacccag ctgctgcag                409
```

<210> 8537
<211> 1918
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (115)...(1436)
<223> similar to gi3294180 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8537
```
aagggatagg agggctcaaa gccggcacac atctgagtcc tcatggacgg gaggatgatg     60
agaagcatga ggctgagaga ggaggagtca cccggaccca gccacacagc gtcctgcctc    120
tgcggctctg cccctgcat cctgtgcagc tgctgccccg ccagccgcaa ctccaccgtg    180
agccgcctca tcttcacgtt cttcctcttc ctgggggtgc tggtgtccat cattatgctg    240
agcccgggcg tggagagtca gctctacaag ctgccctggg tgtgtgagga gggggccggg    300
atccccaccg tcctgcaggg ccacatcgac tgtggctccc tgcttggcta ccgcgctgtc    360
```

```
taccgcatgt gcttcgccac ggcggccttc ttcttctttt tcaccctgct catgctctgc    420
gtgagcagca gccgggaccc ccgggctgcc atccagaatg ggttttggtt ctttaagttc    480
ctgatcctgg tgggcctcac cgtgggtgcc ttctacattc ctgacggctc cttcaccaac    540
atctggttct acttcggcgt cgtgggctcc ttcctcttca tcctcatcca gctggtgctg    600
ctcatcgact ttgcgcactc ctggaaccag cggtggctgg gcaaggccga ggagtgcgat    660
tcccgtgcct ggtacgcagg cctcttcttc ttcactctcc tcttctactt gctgtcgatc    720
gcggccgtgg cgctgatgtt catgtactac actgagccca gcggctgcca cgagggcaag    780
gtcttcatca gcctcaacct caccttctgt gtctgcgtgt ccatcgctgc tgtcctgccc    840
aaggtccagg acgcccagcc caactcgggt ctgctgcagg cctcggtcat caccctctac    900
accatgtttg tcacctggtc agccctatcc agtatccctg aacagaaatg caacccccat    960
ttgccaaccc agctgggcaa cgagacagtt gtggcaggcc ccgagggcta tgagacccag   1020
tggtgggatg ccccgagcat tgtgggcctc atcatcttcc tcctgtgcac cctcttcatc   1080
agtctgcgct cctcagacca ccggcaggtg aacagcctga tgcagaccga ggagtgccca   1140
cctatgctag acgccacaca gcagcagcag cagcaggtgg cagcctgtga gggccgggcc   1200
tttgacaacg agcaggacgg cgtcacctac agctactcct tcttccactt ctgcctggtg   1260
ctggcctcac tgcacgtcat gatgacgctc accaactggt acaagcccgg tgagacccgg   1320
aagatgatca gcacgtggac cgccgtgtgg gtgaagatct gtgccagctg ggcagggctg   1380
ctcctctacc tgtggaccct ggtagcccca ctcctcctgc gcaaccgcga cttcagctga   1440
ggcagcctca cagcctgcca tctggtgcct cctgccacct ggtgcctctc ggctcagtga   1500
cagccaacct gcccctccc cacaccaatc agccaggctg agccccacc cctgccccag   1560
ctccaggacc tgcccctgag ccgggccttc tagtcgtagt gccttcaggg tccgaggagc   1620
atcaggctcc tgcagagccc catcccccg ccacacccac acggtggagc tgcctcttcc   1680
ttcccctcct ccctgttgcc catactcagc atctcggatg aaagggctcc cttgtcctca   1740
ggctccacgg gagcggggct gctggagaga gcggggaact cccaccacag tggggcatcc   1800
ggcactgaag ccctggtgtt cctggtcacg tcccccaggg gaccctgccc gcttcctgga   1860
cttcgtgcct tactgagtct ctaagacttt ttctaataaa caagccagtg cgtgtacc     1918
```

        <210> 8538
        <211> 2466
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (89)...(1613)
        <223> similar to gi1903218 in the genepept database release 114,
        Run with FASTXY 3.3t00, default parameters

        <400> 8538
```
atcagagaga gcagaaggat cctgagcctc gcactctgcc gcccgcacca ccttccgctg     60
cctctcagac tctgctcagc ctcacacgat gtcgtgccgc tcctacagga tcagctcagg    120
atgcggggtc accaggaact tcagctcctg ctcagctgtg gcccccaaaa ctggcaaccg    180
ctgctgcatc agcgccgccc cctaccgagg ggtgtcctgc taccgagggc tgacgggctt    240
cggcagccgc agcctctgca acctgggctc ctgcgggccc cggatagctg taggtggctt    300
ccgagccggc tcctgcggac gcagcttcgg ctaccgctcc gggggcgtgt gcggacccag    360
cccccatgc atcactaccg tgtcggtcaa cgagagcctc ctcacgcccc tcaacctgga    420
gatcgacccc aacgcacagt gcgtgaagca ggaggagaag gagcagatca gtccctcaa    480
cagcaggttc gcggccttca tcgacaaggt gcgcttcctg gagcagcaga acaagctgct    540
ggagaccaag tggcagttct accagaacca gcgctgctgc gagagcaacc tggagccact    600
gttcagtggc tacatcgaga ctctgcggcg ggaggccgag tgcgtggagg ccgacagcgg    660
```

```
gaggctggcc tcagagctca accatgtgca ggaggtgctg gagggctaca agaagaagta      720
tgaagaggag gtggccctga gagccacagc agagaatgag tttgtcgttc taaagaagga      780
cgtggactgt gcctacctgc ggaaatcaga cctggaggcc aatgtggagg ccctggtgga      840
ggagtctagc ttcctgaggc gcctctatga agaggagatc cgcgttctcc aagcccacat      900
ctcagacacc tcggtcatag tcaagatgga caacagccga gacctgaaca tggactgcat      960
catcgctgag atcaaggctc agtatgacga tgttgccagc cgcagccggg ccgaggctga     1020
gtcctggtac cgtagcaagt gtgaggagat gaaggccacg gtgatcaggc atggggagac     1080
cctgcgccgc accaaggagg agatcaacga gctgaaccgc atgatccaga ggctgacggc     1140
cgagattgag aatgccaagt gccagcgtgc caagctggag ctgctgtgg ctgaggcaga     1200
gcagcagggt gaggcggccc tcagcgatgc ccgctgcaag ctggctgagc tggagggcgc     1260
cctgcagaag gccaagcagg acatggcctg cctgctcaag gagtaccagg aggtgatgaa     1320
ctccaagctg ggcctggaca tcgagatcgc cacctacagg cgcctgctgg agggcgagga     1380
acacaggctg tgtgaaggtg tgggctctgt gaatgtctgt gtcagcagct cccgtggtgg     1440
agtctcctgt gggggcctct cctacagcac caccccaggg cgccagatca cttctggccc     1500
c̶tcagccata ggcggcagca tcacggtggt ggcccctgac tcctgtgccc cctgccagcc     1560
tcgttcctcc agcttcagct gcgggagtag ccggtcggtc cgctttgcct agtagagtca     1620
tggagccagg gcttcctgcc aagcacctgc ctgcctgcat cactgcactg aatggcatgt     1680
gaatggaaaa tgtgtgcttg cttccagaat cttctggatg ttcctacaga ggggaagacc     1740
tacagaggga aagaccctcg ggccgctccc ctgcgccttt tcatgctagg gagatgcatc     1800
ctagttgtcc tcctggcagc tgttttcaga ggcattccca gcccttcact taactcctac     1860
ttagctccaa aatacctgta tccaatttgt attattcccc cagctctcag ggataagacc     1920
agtcccccag cgtggtggtc agcacggaag ctccaccttc tgggtggagg cgccatccta     1980
accatccagc caggccaccc acaacccgag aatcagggag aaagtccctc cccagcagcc     2040
ccctcctcct ggctgggaag aatggtcccc cagcaagcac ttgcctgttc attcccgttc     2100
atgttttgct tctctctcag actgccttcc tgcttctggg ctaacctgtt ccagccaggc     2160
tcctcatgtg acctcgcagt tgagaagccc attatcgtgg ggcatccttt tgcctacagc     2220
ccctggttag ggcactttgg acaggtcttg ctattcagtg aacctttgta catttcaaag     2280
aagactccat ggctgctcca gatgccccct tgctgggtgc aggtggggac tgtccaatgc     2340
agagctggcg ggacagagag ttaagccact tcctgggtct ccttcttatg actgtctatg     2400
ggtgcattgc cttctgggtt gtctcgatct gtgtttcaat aaatgccgct gcaatgcaaa     2460
aaaaaa                                                                 2466
```

<210> 8539
<211> 1810
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (177)...(1456)
<223> similar to gi1668744 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8539
```
cagtcgtacc ggttcggatt tagcggaccg acccacgcgt ccgctggcct cagagaccta       60
tcaattgcat ctgagttgca ggggccatgg cttccaaatg cctcaaggcc ggcttctctt      120
ctgggtctct caagagccca ggaggggcca gtgggggctc cactcgtgtg tccgcaatgt      180
actccagcag cccttgcaag cttccaagtc tctcccctgt ggccagaagt ttctctgcct      240
gctcagtggg tctgggcaga agcagctaca gggccaccag ctgcctccct gctctctgcc      300
tccctgctgg aggcttcgct accagctaca gtggggggtgg gggctggttt ggggagggca      360
```

7116

```
tcctcactgg  caatgagaag  gagaccatgc  aatccctgaa  cgaccgcctg  gccggctacc      420
tggagaaggt  gcgtcagctg  gagcaggaga  acgccagcct  ggagagccgc  atccgtgagt      480
ggtgtgagca  gcaggtcccc  tacatgtgcc  ctgactacca  gtcctacttc  cggaccatcg      540
aggagctcca  gaagaagact  ctatgcagca  aggctgagaa  tgccaggctg  gtggtggaga      600
ttgacaatgc  caaattggct  gcagatgact  tcaggaccaa  gtatgagacg  gaggtgtccc      660
tgcggcagct  ggtggagtca  gacatcaacg  gcctgcgcag  gatcctggat  gacctgaccc      720
tgtgcaagtc  tgacctggag  gcccaggtgg  agtccctgaa  ggaggagctg  ctctgcctga      780
agaagaacca  tgaggaggaa  gtgaactcac  tgcgctgcca  acttggtgac  cgcctcaatg      840
ttgaggtgga  tgctgcccca  cctgttgacc  tgaaccgagt  tctggaggag  atgaggtgcc      900
agtatgaaac  cctggtggag  aataaccgcc  gggatgctga  agactggttg  gacacccaga      960
gtgaggagct  gaaccagcag  gtggtgtcca  gctcagagca  gttgcagtcc  tgccaggcag     1020
agatcatcga  gctgagacgc  acggtcaacg  ccctggagat  tgagctgcag  gcccagcaca     1080
gcatgagaga  tgctttggaa  tccaccctgg  cagagacgga  ggcccgctat  agctcccagc     1140
tggcccagat  gcagtgcatg  atcaccaacg  tggaggccca  gctggccgag  atccgggctg     1200
acctggagcg  gcagaaccag  gagtaccagg  tgctgctgga  cgtccgggcc  cggctggagt     1260
gtgagatcaa  cacgtaccgg  ggcctgctgg  agagtgagga  cagcaagctc  ccctgtaacc     1320
catgtgcacc  tgactactca  ccctccaagt  catgccttcc  ctgtcttcct  gcggcctcct     1380
gcggtcctag  tgcagcccgc  acaaactgca  gcgcccgccc  catttgtgtg  ccctgcccag     1440
ggggtcggtt  ctgagagcgg  gtgacccaga  tggccatggc  tattgtctcc  agggcttgaa     1500
cttggcctct  acccaaactt  aacccttgta  gcccaatccc  ctctcttcgc  gcagagccca     1560
ggcccagggt  ctggctgaaa  aggctttctg  caaatacatg  ccctaaagtt  tctcagagcc     1620
tgtcacaaag  gccggctgcc  cccaaaggtc  tcaactcctc  atcatttcaa  tgggtgccag     1680
ggtctctgtt  ctcaggctgc  ctcctgggtc  aggttttcct  tctaggtgct  gttccggtgg     1740
attctgaaat  gcagtagagg  gcttttgttg  gcagaacaat  aaagtgcatt  tgctcaggcc     1800
aaaaaaaaaa                                                                 1810
```

```
        <210>  8540
        <211>  2317
        <212>  DNA
        <213>  Homo sapiens

        <220>
        <221>  misc_feature
        <222>  (404)...(1227)
        <223>  similar to gi4008445 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters



        <400>  8540
gtcctgctca  gtcgtcaggg  cccggccaat  ccggagggcg  ctcggcgcgt  ggtcgggggc       60
caggagcgcg  tctggcctgc  agtgcgcaga  ggacgcggcg  ggagcatgtt  ccggctcctg      120
agctggagcc  tgggccgagg  cttcctgcgg  gccgcggggc  ggcggtgccg  gggctgctcc      180
gcgcgcctgc  tcccggggct  ggcaggaggg  ttcggggccc  gaggtgcagg  tgccgccatc      240
ccgagtcgcg  ccgcacggcc  ggggcccagg  cctgctgccg  ctgctggcag  cgctcgcctg      300
gttctcgagg  cccgctgcgg  cagaggagga  ggagcagcag  ggagccgacg  gggccgctgc      360
cgaggacggg  gcggacgagg  ccgaggcaga  gatcatccag  ctgctgaagc  gagccaagtt      420
gagcattatg  aaagatgagc  cagaagaggc  tgagttaatt  ttgcatgacg  ctcttcgtct      480
cgcctatcag  actgataaca  agaaggccat  cacttacact  tatgatttga  tggccaactt      540
agcatttata  cggggtcagc  ttgaaaatgc  tgaacaactt  tttaaagcaa  caatgagtta      600
cctccttgga  gggggcatga  agcaggagga  caatgcaata  attgaaattt  ccctaaagct      660
ggccagtatc  tatgctgcgc  agaacagaca  ggaatttgct  gttgctggct  atgaattctg      720
```

                                7117

```
catttcaact ctagaggaaa aaattgaaag agaaaggaa ttagcagaag acattatgtc      780
agtggaagag aaagccaata cccacctcct cttgggcatg tgcttagacg cctgtgctcg      840
ctaccttctg ttctccaagc agccgtcaca ggcacaaagg atgtatgaaa aagctctgca      900
gatttctgaa gaaatacaag gagaaagaca cccacagacc attgtgctga tgagtgacct      960
ggctactacc ctggatgcac agggccgctt tgatgaggcc tatatttata tgcaaagggc     1020
atcagatctg gcaagacaga taaatcatcc tgagctacac atggtactca gtaatctagc     1080
tgcagttttg atgcacagag aacgatatac acaagcaaaa gagatctacc aggaagcact     1140
gaagcaagca aagctgaaaa aagatgaaat ttctgtacaa cacatcaggg aagagttggc     1200
tgagctgtca aagaaaagta gacctttgac aaattctgtc aagctctaaa tccatttttg     1260
tgtagggaga ataatgtcta gtaatgtgga agaatagcta tcattcctgt ctctgtggca     1320
cccgatcaat ggcttaaatc tgtcgttttt gatattcagg tttcctcaat ttagccttag     1380
tgaaggaggg gttgtacaca ctgccatttt tgtatttaa aggaaaaatg actttcattc      1440
ccaactgatt atgacctttc aggatgtcgt caagtgatgc tttcagttgt aacacgtgac     1500
ttggtgctgt ccctgctggt ctaagtagaa ctgtagattc atatgggctg gtgttcctgt     1560
gcgctgtggg tgtggtgatt cagcctggca tttctaccat aagttttttgg tctgctgatt    1620
tgctgccctg tcttctctta ctttacttta tcaatacctg gcaaactgac cataattacc     1680
ttcctcatgg caaaggggga ttatggtgaa ttgttgaata ttatagtctg tttcatgaag     1740
cacaagtgga atttaataca taaaagagaa aaatatctta gtttgctacc agcattccag     1800
catgaagttg taaagtgggg attaggcacg tgacagtata gcacccattt gaatttaaat     1860
aaaacgtgaa ccatatttat ctggttatat aaaactaaaa atgggggtgt ttatataaaa     1920
ctaaaaacta agaatgatgt aaccttttgt ctgtgttatc tgaacactct acttccttttg    1980
cagccttagt cacacaactg agtcatctca agtactcttt aaggacacac agcccaggct     2040
gttctgagtc agaataggcc cctacaggta tattttaaaa ctcttcgtaa ttctaatgtg     2100
tactgctggt atagctgaac tactgacctg gatcttagtc ctagcctttt tgcttttgca     2160
atttcagtat cttcatctct aaactaggga aacactggga ttctttctta gctgtggggg     2220
aaagtatttg gttagatgac tttgaatgaa tagactgctg tgctgaaaga gctttatcac     2280
actgtctcaa agtatgtaaa gatacatagg tggatgc                              2317
```

```
        <210> 8541
        <211> 2286
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1958)...(950)
        <223> similar to gi532128 in the genepept database release 114,
             Run with FASTXY 3.3t00, default parameters




        <400> 8541
ttttttttct tatttctaca tatgataaat tttgggtatt tgtttcaaaa attagcaata        60
ctagtgacta tttaataatc aaaaacataa agcatctcta gaagtaaaag gaaatttttg       120
gttagaaaca atttgatact ataaaatttt taaaactgaa aatagtaacg accatattta       180
gcatttgaaa acattattta atacagattt tggtaacatt aactaatact tattccaaga       240
ttatatggta aatatttata tttatactgc cagactacat agagaaacag ggatttaatt       300
ctaagttata ttaccccaaa aagaaatact ttctaatatt gaattcaaca agatgtacca       360
ccaacagaga cagtgaatgt atttcacctt cctaaacagc ctatttttat atgaaaatcc       420
taaattatct acatcagtca atgactggca tttcaagagt aaatgattca tttttacttac      480
aatgcatcaa gataaaaagg ttacactgaa caactagaat gtttactgaa attaatctta       540
ttaaagtaaa acttaaaaaa cttatttggg acattttcat tgcttacact caacgaacgt       600
```

7118

```
gaaacagaga aaaacagtca cagaatcgtg ctaagtttat aataaataat tcacatacaa       660
cataggttaa attatcaaag aaattaaact gacatcttta tacctttttgc agatttaaca       720
catttctaat ccaccacata cggatagcag taggtatatt tcttgacatc attcagtcta       780
tttcaaaaat agatttgatt gtttagaggc ataatttata aagcaagata accaaattaa       840
acaacagaat tttaactaat attggctttt tgggatttct taagaaaaga ttcacaagca       900
ttgctcagct actggagaat aattaaatct cttctttact caggcacttt taatgcagta       960
acctcaggct tcattttaaa gtactggtta aaacgaacaa ttgcatacccc aaggaaatca      1020
aactcaatag tggagtattt ggcttgaatc aaagcccaca atccccaaaa gaaatgagaa      1080
gccaatgcaa actgattgac ttgaatgaag agtatttcta cctccttttc agtaacttca      1140
gtcccaaagc ccttaaattc tttgtaggct tcaaggtaag cacgcagcca ctgactctgt      1200
agttctctat ctggatacag actatagtct acatcactca cacctgcaaa ttcattgaaa      1260
tgatttccaa tatcatatgc caggtagttg tatccagaat attcataatc aatgaactgt      1320
acatcacctt gtttctcatt gtagattata ttcttacaca ataggtcatt atggcaaagc      1380
acaacaggtg agcccaggtt ggaaagaatc tccttcatcc aagtcatctc ttcctggaga      1440
atctgagagc ttgggatatc acttaggaac ctttttattaa tgtcttcatc tgcaaatcct      1500
gtgggaatga gagagaaata ctttcccatc tttagccaaa gattagattt ggggatccag      1560
ccattgtgtg catgaatagc atggatttta gcaagctgac gagctattag cctgaaaatg      1620
gctgggttgc agacatgctt tggatccagt gcttctcctt gtataaattc atagcatagt      1680
ccattattga aggtacagta gagttgtggt gcacacccat gagcctgcaa cactcgaaaa      1740
ctctttactt cctcatctcg atcgactaat aactcagtct tattgccata aattctcacc      1800
aggactacat cctccatggt gtttcccacg taacagccaa taagtttatt tgtgattcca      1860
tctgtgaaga gctgcagggt cacctcctgg gggtcccagt gaggccgcag gtgttgcagg      1920
aggctcaggg ccccctcccg gcagcgatgc tcctcctgat cctgaacggt gacgttcagc      1980
ttgggcacct ccggggagcc gggagggacg tggatgtaat tggccatggc ccaggcgacg      2040
gcggagacta ccaccacgac gacggcgacg gcgaccacga gaacggcggg cgccgacaga      2100
ctggtggatc cttccgtccc ggggcgccct cgcgggaggg ctggggcgc tgggacgggc      2160
gggcgagcgg caggagaacg tctggaggcg gcactgttgc cgatccgggt ctggacagca      2220
gctgaactga gcccggcccg ctctcggaga aaattcctgt tgtcggagct ggatcgcggg      2280
cggccg                                                                 2286
```

<210> 8542
<211> 1488
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1430)...(857)
<223> similar to gi2088854 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8542
```
ggccggggac gtaaaacttg gtcctctaaa acggcccccc ctttttttttt tttttcaagt        60
ttaaaagtca gaatatattt cactgaaaat atgtgtatgt gtgtgccttc aagagtgagt       120
gctcctcaag ggagactcac acagttcctt acaacataaa taagaaatag acgtaatggc       180
ttcactcagt agaaaactag cagcatcatt ctgggccatg gggcattccc caggggtcac       240
catccagcag cctctccctg ggggcagagg acgcctggtc agaacagcta taactcatcc       300
atcatggcga gcaaatcgtc ccctttgctg gtgctcagcc ttggctgctc cgtgatctca       360
aactccccca tgattcgagc cagctcctcg ctccgttgct ggtcctgggt ggcttgtatg       420
ttgataactt cataggataa ctcttctggc ctggttagcg ctgcttgttc ctcttcttca       480
```

```
tcggtggtaa agagattcaa ccggaatccg ggctcagggc cactgggttt cttaatctcc        540
atccctccca tcagcctggc caagaaattc agctcttctt tagcaagagg gtttggagca        600
atgctttcct gggtccatga ggctaagttc tttgatgatc cagacacatg agtttccaca        660
ggctgattca cgctgtacat gttagttccc agtttcagga ctcggtctcc ataaaattca        720
aaagaacctt ctttgggtgc agggacatag tttcccccat gcttgaattc tatcctcttc        780
acttcttcac ctttgttgtt gaacattctg atgagtcctg gaacttcagt tccccaagga        840
acaggcccgg acaccggcaa cacaaagcga ccgttattat tctgaacttt gtcctttaga        900
aacatggata ctcggatgtg caggtcttgg aagaagatga ggagtgtctg ccggatcagc        960
tggaactccc ctgcagagag accaccatat atttctgtca gctgccgcaa agtctcgtcc       1020
acttgctgca ggatggttgg ggagtctcgg atgaatccct tgatggtatc caagtgattg       1080
aaagtgacca gcagcacatc cttgggtcgg ggacacagca atacttgata tttgaaagcc       1140
atggtcatca ggtcatagag cttatccatg ctggcctggt tcagtttcat aatggaggca       1200
tgagccaggc gctcatagac agtcctcagg gccttcttgg agtagagctc ttgaggcttg       1260
aataattcct ccataaactt tctattgaac atggtggaga tgatgtcatt cagaactttg       1320
cgggccttgt ctcccgggat gttctgggcc cgcagccgtt ggtcgaggat gtaaagcatc       1380
tccccgccca agttcaagaa gagcagcggt agcgtccgca ccgacatggt gctggaaacg       1440
agctggactg gtgaagagcc ccggggttcg gtagccagtg gcctgaag               1488
```

<210> 8543
<211> 1349
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1105)...(278)
<223> similar to gi386792 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8543
```
ggcctcgtgc caccctgtga aggagagggt ggggagggag gcatctaggg agaggggtcc         60
cccatggtgg ctcccctccc tggccattgt tatcccagga ggagacactg tgggcacagg        120
gctaagtcca ggtgtttgta ttcgggctag aaaaggcaat gtcccaagtc tctgctgcct        180
gtcacagtcc ttcagccagg gctggacctc aaccctgagg agtcacactg agttccagtg        240
accaccgtgg tggtggccat gccactcatg gttgctatgg ccggaaggcc tggggcagcc        300
tcctccaagc cgctcgcacc ccgtaggtgc ccatccgctg ctggcgcaag tgctggccga        360
agatgaagca gagcaggaca gatgtcacga acagggacag caacaccgac accaccgtga        420
ctatgatgac catctggctg tccgacacag gctcatagat ctccaacatc ttcggggctg        480
agtgtttgtg aaagatgttg ccaccgcgag acatcaagtc cagcacagcc aggcaggaga        540
agttgcggtg gccatcctct ctgtcagccg tgctgttgaa tgtggctgtg gcctcctgcg        600
gagcaggggc tgccttcccg aaggtctcat agtgcagagt ctcattgcca cggaacagga        660
agagggtgag gctgtccagg ggctccacgg tgggcaccct gcactcaatg gtgaaggact        720
tgcccacagc caccaaagtg ggttgcagtg tcaggatgac ctgccttgga ggctggtaca        780
cgctgacgtt ggaattcatt gactcctgct tcccggagca ggtgaagtgg cattggagga        840
ccgtgtcatg ggagatgttt gagaccaagt aatgtttcca ctgagcctgt tcgtccagca        900
gaatcttatc tagagaggtc tccagaccac ccacttcagg ctggttacag gtggtgctgc        960
agttgacctc gagggaccct ttgggctcaa ccgccagctt ctttggcctc acgtgtacct       1020
cgaatacctt ctcatccgat cctggacagc agatcagggt gaagagggcc acagtcaggg       1080
tcctgtaacc gaaagaggac atctctggca gtctccacgg gctcgcaggg accagccaag       1140
ggctgcctgg agggagatgg tgggcgcagg tctgagctat ggcccagaat ccctagcctt       1200
```

```
ctgcaaactg atgactgcat ttcctctcat tatctgagag atctttggga agccacgtgc      1260
accagctcgt tctaggaccc caggcctcta agaatccagg cagaggaagc tgggaagctg      1320
ctgataagca gggcataacc cagtcctcc                                        1349
```

<210> 8544
<211> 6529
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(6530)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (6528)...(4646)
<223> similar to gi3930527 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8544
```
tttttttttt ttagtttttt tcaaacattt actgaacaca aacaccattt tttcctttta       60
cacagcaaga ttgttagttt caaattagct gagttattag gactgtcaat tgccatgaaa      120
ctaaaaatga ctctacatgt caaactcaaa tagaaaatgt catgcaatat ataaatcact      180
aatggacctc tggtgcagtc agcaagttta ctatgtttat taaagtcaca taaatggttt      240
gacaaaagtg cacaatagaa tgacatcacc ggtttgttat aaatcacagt gaattactag      300
aatacaacag tgtagttcct ctgcacggag gattgcagga tggggtgaaa aggacagggt      360
cttttccatc gattaggcca gtcagatttt actccccaac tgtgtacctt tgaaaagact      420
gtgaggaaag ctgagtttct ttcctcatct tttctcctct accagttact aagcaacaac      480
aacaaaaagc catgcacaaa ttttacaacg cctgataaaa aatagataca aaatcttgtt      540
catttcatca tttggcaagc ttgcatcttc gctccttcac tttttttgatt aggccattca      600
tcacatgact caccccctgga attaaaggct ngtaaataat ttaggcaata cttaccccta      660
tacacacatc aggatacact ccccataacc atcaagtcac tgtctcttcc cctacacatt      720
aacacaaagg tacacaccac aaacctagag accacattta ctttacagtt ttaaaaatta      780
atatatctcc actatcaata gtgtagtatt tatttcagat cccttatttg ggggagggca      840
tgctgtataa cccagcccat ctaaagattt gggcaagtct gccagaaata cataagaaag      900
ccctgcaatg tgataaacac ataggagttt tctactttca agagatgaca tccagaacaa      960
agctatgcat tttcagagta ggaatggaca cacagcttaa aacctctgga ctaaaaatat     1020
ttcatagcac aaaaggcaga gttttgtttt cttttaacccc tttttaatgt tatatagtca     1080
gtgagaaaaa cagaatagtc atgtgtgcat caacacatct aatttgaaaa ggaacattta     1140
agattcttac agaaaatcta tcataaaaaa caagtccttt atactttcat tcatttactc     1200
actaattcag ccactggctg tttctaaacc agcaaactaa tcaaaggtct ggcaactccc     1260
tttcccatcc ccccccttc aaaaaaaaaa aagaaacgct tctgcttaaa taacccaaag     1320
tggtcttatt cataaagtag ctgcctcaac tatagtgaaa actcttaaca gggtgttgct     1380
cacttgaaat tttaattttc aaaacatttg tcaaacagag ttggtattta gaaagctgct     1440
gcccccaaat catattttac ttcaaacaat gttatcatac ctaagttctc acaattacca     1500
attattagtc cactattagt ataatgaaat aaaacccttc tcagaaacaa gcagaccaaa     1560
gcttacagat ggtctgcttt ggggtttggt ttatttaaaa ttcccacagc aaagaacctt     1620
aacgtgattg ggctgtgggc tactagagca accagggtgg actgaaaaag ctatgttttc     1680
agtgtcagtt ctaatgtaaa aatgttcccc ttctttatca atcgaggggga tgggtttgcc     1740
```

```
gcccattcct tgagttaaat agttaacttc atagttcaat tttgccaact ctatcaagtg   1800
cataaaaccc acttaagttt ctcatgattt gcgaatgaaa acatccacct gggcctccct   1860
agctcatcca gatttatata acaattactg aacaggacag agaagttttg gttgaatctg   1920
taataccatc aatgaagatt tacaattcaa agcataagta taccaatagt aaacatcaaa   1980
tgaccaaagt ggctgcaaaa tggagacagc ctagagttca cagagggctg agatatacaa   2040
ctatcatttt cttacctatt ttcctttttt aaaaaaaaat taagttgggg aagggtctgg   2100
ctaaacatat tttcaaacaa ttctaccaaa aacatttaa aaaaacaggc atgtagatca    2160
cttatttcaa aaatgatttt atacaggtgt ttcacaatac acatttggat tgattttaca   2220
agatagaatt agattctcag caagatacta cacaatttac cactatacta aacaaacaaa   2280
aaatctaatt accattagca tagttcatag tttattccac tgtcttcaaa ttcgttctcc   2340
accctgtcag catttcaatc aacagtttta ctttcttcag cattgtcttc ccttctcaaa   2400
atagaatgtc attaaatttt gatgtctgaa tatgtacata taatcattat tctcatttta   2460
taaataagca gtgtcttaaa tagtgctggt cctgggtagc caaagggatg aaatgtgttt   2520
ttaaaacatg caacattatc tgatatttta agttttgatg tttaaataaa aataatatac   2580
attaataatg gaaccaactg aataccaagt atcaaagcta ttccttagac tgtccaataa   2640
gcaggccttg tagtttgaaa aataaagggt ctgatctgaa ctgtggaaaa agcatgattc   2700
actcaccttg aagaagtgca ttttctcttt caggccactg agagttgcta agagcaaggt   2760
acagtatttc cttgattcat accaggagga tcaagtctgg taattttcaa attagggctc   2820
actcaaataa atacctccat ttaagccaac ctaaaaacct tccttgtaaa atctcaggtt   2880
aggaaaatag gtatctatta ccatgacaga atttaccatc aaaaccttcc taactgaagc   2940
aagaagacaa agtataatga tagcaactgt aaaaagtatc ttgcatcctt gggggatagt   3000
ccccccttct gtcccctccc atccttcaaa atatttcatt ttgtggggta tctctatttt   3060
atttaaggcc ctagggtgct gattttggct tggtcattgt tttatactga tccaactgca   3120
acctttctct tacactttac aaagcattat ccatatataa aatgttaatt gaaacctttt   3180
tttttaagtt tatatctgat gctgctacat cattataatg cttttcatta aagaaaaaaa   3240
aaaaagctac aggtcttcac ttacagtacc atgcactatg agtagctaag gcattcattt   3300
ggcactagag agaaaattac agatacagct aattttgctt tcattatcat ttttaacatc   3360
aatagaaata agcatataac tttcacttga atttctgtaa tgcttaaaag ataatcacag   3420
aatacccttt tagtttgaca gttacaatgt tgccattaaa acaaaacaaa aaaaccataa   3480
agacctctgt atagcctgta ggaataagtg acattttgtg gttgaaaaat ttgcagctct   3540
cagacacaat tacctttcaa gtggcattga gaattatttt catcataaaa aaccatgaag   3600
ttcctatacc acactagtga tatttctact tcttgtcaca gactaagaaa gtgaaaaaat   3660
tcaaacatat cctggttcct tttcatctgt cataagtaaa ataccttatt agggaggcat   3720
aaataatgcc ttctggaaaa gtagtttcca aattttaaaa gatacaggag aaaaagggaa   3780
aaggggacaa aaatagaatg tataactaca ctgtgacaat ttgtttcata agaaaacagc   3840
attcataatt tttacatgtc tatgagctga atcaaataga ctgctgcaat ttagataaat   3900
ttcattaaaa tagactttga agaattcaag cctaaaggca gagtccatca agattctctg   3960
aaaagttggt ttaagatgat aaccattttg tatatactac ccagcataat gcaacaattt   4020
caaatggatt taaatttata aatttgtaac tattattaaa ttagcacatt ttccagatta   4080
atctgcagct attttttaaa aatcctcctg aatgctaaaa tgtgctgcat cactccgtat   4140
aaataatgga agagtgtaaa ctatctacag cagtttggca tgtgcagaac acctggatat   4200
cccattcctc ttaatgttcc tttttagctc ttttttcttca taaaatcctc aaaactgctg   4260
catggataac atgctgacat aggcttaaca gaaatacttt tgtaagcagc tgtttaaaac   4320
attatcaact tgaaattata aatgtccctt gttacataaa caaaacattt tatatctgtt   4380
cctttaaaaa aaagaaagac aaatagggtaa ccaatatgca aataccttat agttacacca   4440
aaacaatgtg gttttgttaa agtctgtctg aaatcaatta ccatgaggca agaaaaacaa   4500
atacagaact aaggaaggat gggatgggag gaagggtagt ggaaagaaaa gcagaattta   4560
tgaacacata attctactgt ctgtgattaa aagtcctta cttttagca ccacattaaa    4620
cgactttaca tatccagtca cttaatgaaa tccaacaaac tcttcaagag ttctggggat   4680
ctggtcttgg tagttaatgt cattagcccg aactgctcgg gcagccaggc acttgagact   4740
catcttcatt tgagtttaa gcagtatttc agataeccca gttgtacttt tgtctagcgg    4800
agtcttattc tgtttattcg tcatgtcagt gtgagctccg gcttcaacta ggctaatgat   4860
gatggagtgc aaggtcaaaa aatcactgat gggcctgttg tactgaacga taatatgaag   4920
ggcactgttt ccctcattgt ccacggcatt cacctcagca ccacagtcca gcaggagctt   4980
tgtgacaagt gcatttggaa agctgcagac gtcattggtg tggaaatcat caactggagt   5040
attggagttg acagccagat gcagcaaggt gaaaccttca cgagttctgg gatcaaggtg   5100
aatcaggttg tagatctgct tgttaatttt gcactgatct tcttcgctgc actgtgtttt   5160
```

                                 7122

```
ggtagagatg cacactaaat acagaaaggt atagagatta cattcataat tgtccatagc    5220
attgtggaca tcagcatctg aaatattttt cactctgttc atactttgtt ctatttccaa    5280
aacactgcat ctcaaaacac attctatgtc tggggccttc acagtttcat tcaaatgtat    5340
catttgtgag aaaacttgag caaatcgaag aagatccttg tgggtgttcc tgttaccttt    5400
ttgtctgagg tgcagggcat gaagccacaa cttgatacac tgctcaaatt ccatattatc    5460
cgcataaaca gctcctctgt aaatgatggg atgagaaaca tcaatattgt cagcacctaa    5520
aatccgttcc cgaactataa ggccttccat atgaagagca tctctgtctt gccgaatgga    5580
ctccagttcc tgaggatttc tacattcagt tctattccca taagcatgga ttggtggaag    5640
aacctctttt tcgagaatgt tatcaccatc ttggaacctc tctaacatgg ctaaatatag    5700
atagtggtat gtctttatga tgtcatagtt ctcacggtca tttgcaaagg aggcacccaa    5760
gagttccaaa gcttcaatcc gacttcttcg gtcgcaatca gcatgagaga gtaacagttc    5820
tacgacatca gctttacagc tttcggcagc tactttcaat ggcgtcatcc catggccatt    5880
cactactata gcagcacgcc attttatcag ctctttcaca atatctatgt gcccagcttc    5940
agctgcaaag tgcaatgctg tggctccaca atgtgctttg gcattgggat cagcacgttg    6000
ttctaaaagg tatctgacca catcagtgtg tcccttatat gccgcaatca ttaggcaggt    6060
gttgtcatat ttgttggcaa tgctgatgtt ggcattattt tcaaccaagt atttcacaat    6120
gtccagtctg ccatcaaagc atgctgcccg cagggggggtt gaattagtta ctgtggtatg    6180
gttcacgttg gctccatggc tgactagaag tttaacaact tcaaaatgtc ctgctccagc    6240
tgcacaccaa agagcagtgg caccatcaat gacatacccg tcgaagcgga cggtgccagt    6300
ctgctgagtc tgcacccggt aatgttctaa gagcaagcgt accacctttg cgtgtccatt    6360
gcgggctgcg atgatgaggg gcgtggagcg ctgccctccc tgctggctga catagccaag    6420
cagatagcgg atgtcgcttt cagaccggtt gagaagcaag gcggccagag tcagcacctt    6480
gccctcgctg gccgccttgt atacatagcc agccaggccc tccacgaaa               6529
```

        <210> 8545
        <211> 1200
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (892)...(265)
        <223> similar to gi3249005 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters

        <400> 8545
```
tttttttttt ttcaacagga gtttgaagtt tatttagtaa taaacataag tcatggctga      60
caactgagaa aatcctattc acataaacca tcatagatta aaaatacata gtatttgtac     120
tttaatgcaa tagggtccca ggattcaaac aaggaaattt gattccagag ttggcattat     180
gtagttatgt actctgctac aaagaactag tggaggtaaa cttcggcagt aaaattctca     240
acagtcaaat attaatgcat ttcatataca tggctttgca tccgtagagg aagatacagt     300
tccttcagca cacgtgccaa tttctgagtc ttccactaga gaatcctcaa cagtttcttc     360
ttcagaatca aattcctgat tatccagtga ttcaaaatta tccagaggtt caccattcag     420
tctctctatt agctctgcca tatactgtac atgttctgct acttctgcca gttctttatt     480
ctccttttttc aggcgggcaa tttcattgtc cttttgttca atttctttat gaagtttctc     540
attttcctta agtgcttcat acagcgcctt tctccgtttt tctgccactt ccttccaata     600
ctgagaggat ggattttctt taatcataag atcaaatgac tcctgggtga ctcctccaag     660
attttttattt tcactagatt ctgggacaat aaccccaggg ctggaagttg tagatgttaa     720
gtggtcattc cgatgtttcc ttttggacaa gcctgcggac agctcatttt ctcttccaac     780
aagagatcca gatgcagaag gctgaatcat cttcagagtt cttcttggga cagaactatt     840
```

```
ctttatattc tctttgattt cttcttgttt ctgcttcata ctgggattca ttatgtagat      900
ggtgaagcac agaagaccag gccgcggccc tgcagctgtc aaagtaggac gcggcttcag      960
aggttggccg gagggaaagc gagtcgtcta gaggctgtgc gccttgcgcc cctgcgtacc     1020
cacttcctgc cgcctcttgc ccacttactg ggtggagacg ctcaatcctc gtagcgaacg     1080
cacgtagcta tggctgcagc acctcgcaaa aggccacagc tcacctacgc tgatccccac     1140
ggtcgctgga gtgcccggcg cgctctgcag taaagccctg ctaactccgc tcctcgtgcc     1200
```


        <210> 8546
        <211> 906
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (119)...(761)
        <223> similar to gi409733 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters

        <400> 8546
```
ggccacatgg actggggtgc aatgggacag ctgctgccag cgagagggac cagggcacca      60
ctctctaggg agcccacact gcaagtcagg ccacaaggac ctctgaccct gagggccgat     120
gaggccaggg acaggccagg ggggccttga ggccctggt gagccaggcc ccaacctcag      180
gcagcgctgg cccctgctgc tgctgggtct ggccatggta acccatggcc tgctgcgccc     240
aacagctgca tcgcagagca gggccctggg ccctggagcc cctggaggaa gcagccggtc     300
cagcctgagg agccggtggg gcaggttcct gctccagcgc ggctcctgga ctggccccgg     360
gtgctggccc cgggggtttc aatccaagca taactcagtg acgcatgtgt ttggcagcgg     420
gacccagctc accgttttaa gtcagcccaa ggccaccccc tcggtcactc tgttcccgcc     480
gtcctctgag gagctccaag ccaacaaggc tacactggtg tgtctcatga atgacttcta     540
tctgggaatc ttgacggtga cctggaaggc agatggtacc cccatcaccc aggcggtgga     600
gatgaccacg ccctccaaac agagcaacag caagtacatg gccagcagct acctgagcct     660
gacgcccgag cagtggaggt cccgcagaag ctacagctgc caggtcatgc atgaagggag     720
cactgcagag aagacggtgg cccctgcaga atgttcatag gttcccagcc ccgaccccac     780
ccaaaggggc ctggagctgc aggatcccag gggaagggtc tctctctgca tcccaagcca     840
tccagccctt ctccctgtac ccagtaaacc ctaaataaat accctctttg tcaaccaaaa      900
aaaaaa                                                                906
```


        <210> 8547
        <211> 7439
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (46)...(6174)
        <223> similar to gi3668410 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters

                                     7124
```

```
<400> 8547
tttcgtgtta atcatttcag agaagaacac tgaactttga aaaaaatgtt ggaagccatt       60
gacaaaaatc gggccctgca tgcagcagag cgcttgcaaa ccaagctgcg agaacgtggg      120
gatgtagcaa atgaagacaa actgagcctt ctgaagtcag tcctgcagag ccctctcttc      180
agtcagattc tgagccttca gacttctgta cagcagctga aagaccaggt aaatattgca      240
acttcagcaa cttcaaatat tgaatatgcc cacgttcctc atctcagccc agctgtgatt      300
cctactctgc aaaatgaatc gttttttatta tccccaaaca atgggaatct ggaagcactt      360
acaggacctg gtattccaca cattaatggg aaacctgctt gtgatgaatt tgatcagctt      420
atcaaaaata tggcccaggg tcgccatgta gaagtttttg agctcctcaa acctccatct      480
ggaggccttg ggtttagtgt tgtgggacta agaagtgaaa acagaggaga gctgggaata      540
tttgttcaag agatacaaga gggcagtgtg gcccatagag atggaagatt gaaagaaact      600
gatcaaattc ttgctatcaa tggacaggct cttgatcaga caattacaca tcagcaggct      660
atcagcatcc tgcagaaagc caaagatact gtccagctag ttattgccag aggctcattg      720
cctcagcttg tcagccccat agtttcccgt tctccatctg cagccagcac aatttcagct      780
cactctaatc cggttcactg gcaacacatg gaaacgattg aattggtgaa tgatggatct      840
ggtttgggat ttggcatcat aggaggaaaa gcaactggtg tgatagtaaa aaccattctg      900
cctggaggag tagctgatca gcatgggcgt ttatgcagtg gagaccacat tctaaagatt      960
ggtgacacag atctagcagg aatgagcagt gagcaagtag cacaagtcct taggcaatgt     1020
ggaaatagag ttaagttgat gattgcaaga ggtgccatag aagaacgtac agcacccact     1080
gctttgggca tcaccctctc ctcatcccca acttcaacac cagagttgcg ggttgatgct     1140
tctactcaga aaggtgaaga aagtgagaca tttgatgtag aactcactaa aaatgtccaa     1200
ggattaggaa ttaccattgc tggctacatt ggagataaaa aattggaacc ttcaggaatc     1260
tttgtaaaga gcattacaaa aagcagtgcc gttgagcatg atggaagaat ccaaattgga     1320
gaccaaatta tagcagtaga tggcacaaac cttcagggtt ttactaatca gcaagcagta     1380
gaggtattgc gacatacagg acaaactgtg ctcctgacac taatgaggag aggaatgaag     1440
caggaagccg agctcatgtc aagggaagac gtcacaaaag atgcagattt gtctcctgtt     1500
aatgccagca taatcaaaga aaattatgaa aaagatgaag atttttatc ttcgacgaga     1560
aacaccaaca tattaccaac tgaagaagaa gggtatccat tactgtcagc tgagatagaa     1620
gaaatagaag atgcacaaaa acaagaagct gctctgctga caaaatggca aaggattatg     1680
ggaattaact atgaaatagt ggtggcccat gtgagcaagt ttagtgagaa cagtggattg     1740
gggataagcc tggaagcgac agtgggacat cattttatcc gatctgttct accagagggt     1800
cctgttggac acagcgggaa gctcttcagt ggagacgagc tattggaagt aaatggcata     1860
actttacttg gggaaaatca ccaagatgtg gtgaatatct taaaagaact gcctatagaa     1920
gtgacaatgg tgtgctgtcg tcgaactgtg ccacccacca cccaatcaga attggatagc     1980
ctggacttat gtgatattga gctaacagaa aagcctcacg tagatctagg tgagttcatc     2040
gggtcatcag agacagagga tccagtgctg gcgatgactg atgcgggtca gagtacagaa     2100
gaggttcaag caccttttggc catgtgggag gctggccattc agcacataga gctggagaaa     2160
gggagcaaag gacttggttt tagcatttta gattatcagg atccaattga tccagcaagc     2220
actgtgatta taattcgttc tttggtgcct ggcggcattg ctgaaaagga tggacgactt     2280
cttcctggtg accgactcat gtttgtaaac gatgttaact tggaaaacag cagtcttgag     2340
gaagctgtag aagcactgaa gggagcaccg tcagggactg tgagaatagg agttgctaag     2400
cctttacccc tttcaccaga agaaggttat gtttctgcta aggaggattc ctttctctac     2460
ccaccacact cctgtgagga agcagggctg gctgacaaac ccctcttcag ggctgacttg     2520
gctctggtgg gcacaaatga tgctgactta gtagatgaat ccacatttga gtctccatac     2580
tctcctgaaa atgacagcat ctactctact caagcctcta ttttatctct tcatggcagt     2640
tcttgtggtg atggcctgaa ctatggttct tcccttccat catctcctcc taaggatgtt     2700
attgaaaatt cttgtgatcc agtacttgat ctgcatatgt ctctggagga actatatacc     2760
cagaatctcc tgcaaagaca ggatgagaat acaccttcgg tggacataag tatggggcct     2820
gcttctggct ttactataaa tgactacaca cctgcaaatg ctattgaaca acaatatgaa     2880
tgtgaaaaca caatagtgtg gactgaatct catttaccaa gtgaagttat atcaagtgca     2940
gaacttcctt ctgtgctacc cgattcagct ggaaagggct ctgagtacct gcttgaacag     3000
agctccctgg cctgtaatgc tgagtgtgtc atgcttcaaa atgtatctaa agaatctttt     3060
gaaaggacta ttaatatagc aaaaggcaat tctagcctag gaatgacagt tagtgctaat     3120
```

7125

```
aaagatggct tggggatgat cgttcgaagc attattcatg gaggtgccat tagtcgagat   3180
ggccggattg ccattgggga ctgcatcttg tccattaatg aagagtctac catcagtgta   3240
accaatgccc aggcacgagc tatgttgaga agacattctc tcattggccc tgacataaaa   3300
attacttatg tgcctgcaga acatttggaa gagttcaaaa taagcttggg acaacaatct   3360
ggaagagtaa tggcactgga tattttttct tcatacactg gcagagacat tccagaatta   3420
ccagagcgag aagagggaga gggtgaagaa agcgaacttc aaaacacagc atatagcaat   3480
tggaatcagc ccaggcgggt ggaactctgg agagaaccaa gcaaatcctt aggcatcagc   3540
attgttggtg gacgagggat ggggagtcgg ctaagcaatg gagaagtgat gaggggcatt   3600
ttcatcaaac atgttctgga agatagtcca gctggcaaaa atggaacctt gaaacctgga   3660
gatagaatcg tagaggtgga tggaatggac ctcagagatg caagccatga acaagctgtg   3720
gaagccattc ggaaagcagg caaccctgta gtctttatgg tacagagcat tataaacaga   3780
ccaaggaaat cccctttgcc ttccttgctg cacaacctt accctaagta caacttcagc   3840
agcactaacc catttgctga ctctctacaa atcaacgccg acaaggcacc cagtcagtca   3900
gagtcagagc cagagaaggc tccattgtgc agtgtgcccc cacccctcc ttcagccttt   3960
gccgaaatgg gtagtgatca cacacagtca tctgcaagca aaatctcaca agatgtggac   4020
aaagaggatg agtttggtta cagctggaaa aatatcagag agcgttatgg aaccctaaca   4080
ggcgagctgc atatgattga actggagaaa ggtcatagtg gtttgggcct aagtcttgct   4140
gggaacaaag accgatccag gatgagtgtc ttcatagtgg ggattgatcc aaatggagct   4200
gcaggaaaag atggtcgatt gcaaattgca gatgagcttc tagagatcaa tggtcagatt   4260
ttatatggaa gaagtcatca gaatgcctca tcaatcatta aatgtgcccc ttctaaagtg   4320
aaaataattt ttatcagaaa taaagatgca gtgaatcaga tggccgtatg tcctggaaat   4380
gcagtagaac ctttgccttc taactcagaa aatcttcaaa ataaggagac agagccaact   4440
gttactactt ctgatgcagc tgtggacctc agttcattta aaaatgtgca acatctggag   4500
cttcccaagg atcaggggg tttgggtatt gctatcagcg aagaagatac actcagtgga   4560
gtcatcataa agagcttaac agagcatggg gtagcagcca cggatggacg actcaaagtc   4620
ggagatcaga tactggctgt agatgatgaa attgttgttg gttaccctat tgaaaagttt   4680
attagccttc tgaagacagc aaagatgaca gtaaaactta ccatccatgc tgagaatcca   4740
gattcccagg ctgttccttc agcagctggt gcagccagtg agaaaaaaa gaacagctcc   4800
cagtctctga tggtcccaca gtctggctcc ccagaaccgg agtccatccg aaatacaagc   4860
agatcatcaa caccagcaat ttttgcttct gatcctgcaa cctgccccat tatccctggc   4920
tgcgaaacaa ccatcgagat ttccaaaggg cgaacagggc tgggcctgag catcgttggg   4980
ggttcagaca cgctgctggg tgccattatt atccatgaag tttatgaaga aggagcagca   5040
tgtaaagatg gaagactctg ggctggagat cagatcttag aggtgaatgg aattgacttg   5100
agaaaggcca cacatgatga agcaatcaat gtcctgagac agacgccaca gagagtgcgc   5160
ctgacactct acagagatga ggccccatac aaagaggagg aagtgtgtga caccctcact   5220
attgagctgc agaagaagcc gggaaaaggc ctaggattaa gtattgttgg taaaagaaac   5280
gatactggag tatttgtgtc agacattgtc aaaggaggaa ttgcagatgc cgatggaaga   5340
ctgatgcagg agaccagat attaatggtg aatgggaag acgttcgtaa tgccacccaa   5400
gaagcggttg ccgctttgct aaagtgttcc ctaggcacag taaccttgga agttggaaga   5460
atcaaagctg gatccagtac atctgagtca ctggaaagta gctcaaagaa gaatgcattg   5520
gcatctgaaa tacagggatt aagaacagtc gaaatgaaaa agggccctac tgactcactg   5580
ggaatcagca tcgctggagg agtaggcagc ccacttggtg atgtgcctat atttattgca   5640
atgatgcacc caactggagt tgcagcacag acccaaaaac tcagagttgg ggataggatt   5700
gtcaccatct gtggcacatc cactgagggc atgactcaca cccaagcagt taacctactg   5760
aaaaatgcat ctggctccat tgaaatgcag gtggttgctg gaggagacgt gagtgtggtc   5820
acaggtcatc agcaggagcc tgcaagttcc agtctttctt tcactgggct gacgtcaagc   5880
agtatatttc aggatgattt aggacctcct caatgtaagt ctattacact agagcgagga   5940
ccagatggct taggcttcag tatagttgga ggatatggca gccctcatgg agacttaccc   6000
atttatgtta aaacagtgtt tgcaaaggga gcagcctctg aagacggacg tctgaaaagg   6060
ggcgatcaga tcattgctgt caatgggcag agtctagaag gagtcaccca tgaagaagct   6120
gttgccatcc ttaaacggac aaaaggcact gtcactttga tggttctctc ttgaattggc   6180
tgccagaatt gaaccaaccc aacccctagc tcacctccta ctgtaaagag aatgcactgg   6240
tcctgacaat ttttatgctg tgttcagccg ggtcttcaaa actgtagggg ggaaataaca   6300
cttaagtttc ttttctcat ctagaaatgc tttccttact gacaacctaa catcatttt   6360
cttttcttct tgcattttgt gaacttaaag agaaggaata tttgtgtagg tgaatctcgt   6420
ttttatttgt ggagatatct aatgttttgt agtcacatgg gcaagaatta ttacatgcta   6480
agctggttag tataaagaaa gataattcta aagctaacca aagaaaatgg cttcagtaaa   6540
```

                                        7126

```
ttaggatgaa aaatgaaaat ataaaataaa gaagaaaatc tcggggagtt taaaaaaaat    6600
gcctcaattt ggcaatctac ctcctctccc cacccaaac taaaaaaaga aaaaaaggtt    6660
ttctaatgaa aatctttaaa aatactgtca gtattttaaa attttcaaca gtattataaa    6720
aacattgcat ctccccacct ctaatatgca tatatatttt tcctgctaaa attggtttct    6780
acaattgagt aaatggcaaa tacatgaagc aatgtcccta aattttataa agaaaattata   6840
tttaatgcac atttcaattt tcattcttat ttttgacctt ttataaaata ttttcatgtt   6900
gctataagta aatgatgatg ccacccatg ttgactatgg tttttctaga aagcaactat    6960
gctgctaacc atagaggaac atagaagggt tccagaatct ttagtgctgg tttaacaac    7020
cgatgcaaca ttaaaaatgt gttagtgtgc tgtgcaattg gtttcaatt catattaatc    7080
ttaatgacag agaacaatgt gttactaatt attttggttg tatgccatta gtaaattgat    7140
agaaaaatta aggggattaa cataacttca tttcattgcc ttatattaac atcttataat   7200
acaatagttt aagactaagg gaaacagatg gagctgttta ttgagacaac tggtgaggaa   7260
ttatcatgtg ttcattccca ttttagagcg tgaaactcct acattagaat atataaagtc   7320
actttaaata tctatatttg taacagaagt agtgtacaga tattttatta cagcattttt   7380
gtgtaaatgc agaattaaag tgaataaata agaattttca gtggtgccca aaaaaaaaa    7439
```

```
            <400> 8548
gagagagcta gcaccatgag cttcaaaccc tgttccttca gttcccgggt acacactttg      60
tcccaggcct gaattccacc cccgagctcc ccttcctcac cggccgctgc ccctcgggct     120
cagctgggga aggacgccct gagtcccttg gccctactcc tccgcccacg gcgcgcatat     180
ccccgccccc tcccaacttc agaaagtttg gcctggggct ccccacctcc gagcaggttc     240
gggcccagcc ccgcctccca gccccgctcg ccgcgcctgt ccttccttgt actgggagtg     300
gcctgcagtg ccatcctcat gtacatattc tgcactgatt gctggctcat cgctgtgctc     360
tacttcactt ggctggtgtt tgactggaac acacccaaga aggtggcag gaggtcacag      420
tgggtccgaa actgggctgt gtggcgctac tttcgagact actttcccat ccagctggtg     480
aagacacaca acctgctgac caccaggaac tatatctttg dataccaccc ccatggtatc     540
atgggcctgg gtgccttctg caacttcagc acagaggcca cagaagtgag caagaagttc     600
ccaggcatac ggccttacct ggctacactg gcaggcaact tccgaatgcc tgtgttgagg     660
gagtacctga tgtctggagg tatctgccct gtcagccggg acaccataga ctatttgctt     720
tcaaagaatg ggagtggcaa tgctatcatc atcgtggtcg ggggtgcggc tgagtctctg     780
agctccatgc ctggcaagaa tgcagtcacc ctgcggaacc gcaagggctt tgtgaaactg     840
gccctgcgtc atggagctga cctggttccc atctactcct ttggagagaa tgaagtgtac     900
aagcaggtga tcttcgagga gggctcctgg ggcgatggg tccagaagaa gttccagaaa      960
tacattggtt tcgcccccatg catcttccat ggtcgaggcc tcttctcctc cgacacctgg   1020
gggctggtgc cctactccaa gcccatcacc actgttgtgg gagagcccat caccatcccc   1080
aagctggagc acccaaccca gcaagacatc gacctgtacc acaccatgta catggaggcc   1140
ctggtgaagc tcttcgacaa gcacaagacc aagttcggcc tcccggagac tgaggtcctg   1200
gaggtgaact gagccagcct tcggggccaa ttccctggag gaaccagctg caaatcactt   1260
ttttgctctg taaatttgga agtgtcatgg gtgtctgtgg gttatttaaa agaaattata   1320
```

```
acaattttgc taaaccatta caatgttagg tctttttttaa gaaggaaaaa gtcagtattt      1380
caagttcttt cacttccagc ttgccctgtt ctaggtggtg gctaaatctg ggcctaatct      1440
gggtggctca gctaacctct cttcttccct tcctgaagtg acaaaggaaa ctcagtcttc      1500
ttggggaaga aggattgcca ttagtgactt ggaccagtta gatgattcac ttttttgcccc      1560
tagggatgag aggcgaaagc cacttctcat acaagcccct ttattgccac taccccacgc      1620
tcgtctagtc ctgaaactgc aggaccagtt tctctgccaa ggggaggagt tggagagcac      1680
agttgccccg ttgtgtgagg gcagtagtag gcatctggaa tgctccagtt tgatctccct      1740
tctgccaccc ctacctcacc cctagtcact catatcggag cctggactgg cctccaggat      1800
gaggatgggg gtggcaatga caccctgcag gggaaaggac tgcccccat gcaccattgc       1860
agggaggatg ccgccaccat gagctaggtg gagtaactgg ttttttcttgg gtggctgatg     1920
acatggatgc agcacagact cagccttggc ctggagcaca tgcttactgg tggcctcagt      1980
ttaccttccc cagatcctag attctggatg tgaggaagag atccctcttc agaaggggcc      2040
tggccttctg agcagcagat tagttccaaa gcaggtggcc cccgaaccca agcctcactt      2100
ttctgtgcct tcctgagggg gttgggccgg ggaggaaacc caaccctctc ctgtgtgttc      2160
tgttatctct tgatgagatc attgcaccat gtcagacttt tgtatatgcc ttgaaaataa      2220
atgaaagtga gaatcctcaa aaaaaaaaag gggggcccct ttttaaggt                  2269
```

<400> 8549
```
atggcggctc ctcccactgg ggggggggtg gcgcggcggc ggtggcatct gcggccatgg        60
cggcgactac tgccaacccc gaaatgacat cagatgtacc atcactgggt ccagccattg       120
cctctggaaa ctctggacct ggaattcaag gtggaggagc cattgtccag agggctatta      180
agcggcgacc agggctggat tttgatgatg atggagaagg gaacagtaaa tttttgaggt       240
gtgatgatga tcagatgtct aacgataagg agcggtttgc caggtcggat gatgagcaga       300
gctctgcgga taaagagaga cttgccaggg aaaatcacag tgaaattgaa cggcggcgac       360
ggaacaagat gacagcctac atcacagaac tgtcagatat ggtacccacc tgtagtgccc       420
tggctcgaaa accagacaag ctaaccatct tacgcatggc agtttctcac atgaagtcct       480
tgcggggaac tggcaacaca tccactgatg gctcctataa gccgtctttc ctcactgatc       540
aggaactgaa acatttgatc ttggaggcag cagatggctt tctgtttatt gtctcatgtg       600
agacaggcag ggtggtgtat gtgtctgact ccgtgactcc tgttttgaac cagccacagt       660
ctgaatggtt tggcagcaca ctctatgatc aggtgcaccc agatgatgtg gataaacttc       720
gtgagcagct ttccacttca gaaaatgccc tgacagggcg tatcctggat ctaaagactg       780
gaacagtgaa aaaggaaggt cagcagtctt ccatgagaat gtgtatgggc tcaaggagat       840
cgtttatttg ccgaatgagg tgtggcagta gctctgtgga cccagtttct gtgaataggc       900
tgagctttgt gaggaacaga tgcaggaatg gacttggctc tgtaaaggat ggggaacctc       960
acttcgtggt ggtccactgc acaggctaca tcaaggcctg gccccccagca ggtgtttccc     1020
tcccagatga tgacccagag gctggccagg gaagcaagtt ttgcctagtg gccattggca     1080
gattgcaggt aactagttct cccaactgta cagacatgag taatgtttgt caaccaacag     1140
agttcatctc ccgacacaac attgagggta tcttcacttt tgtggatcac cgctgtgtgg      1200
ctactgttgg ctaccagcca caggaactct taggaaagaa tattgtagaa ttctgtcatc      1260
```

```
ctgaagacca gcagcttcta agagacagct tccaacaggt agtgaaatta aaaggccaag   1320
tgctgtctgt catgttccgg ttccggtcta agaaccaaga atggctctgg atgagaacca   1380
gctcctttac tttccagaac ccttactcag atgaaattga gtacatcatc tgtaccaaca   1440
ccaatgtgaa gaactctagc caagaaccac ggcctacact ctccaacaca atccagaggc   1500
cacaactagg tcccacagct aatttacccc tggagatggg ctcaggacag ctggcaccca   1560
ggcagcagca acagcaaaca gaattggaca tggtaccagg aagagatgga ctggccagct   1620
acaatcattc ccaggtggtt cagcctgtga caaccacagg accagaacac agcaagcccc   1680
ttgagaagtc agatggttta tttgcccagg atagagatcc aagattttca gaaatctatc   1740
acaacatcaa tgcggatcag agtaaaggca tctcctccag cactgtccct gccacccaac   1800
agctattctc ccagggcaac acattccctc ctacccccg gccggcagag aatttcagga   1860
atagtggcct agcccctcct gtaaccattg tccagccatc agcttctgca ggacagatgt   1920
tggcccagat ttcccgccac tccaacccca cccaaggagc aaccccaact tggaccccta   1980
ctacccgctc aggctttttct gcccagcagg tggctaccca ggctactgct aagactcgta   2040
cttcccagtt tggtgtgggc agctttcaga ctccatcctc cttcagctcc atgtccctcc   2100
ctggtgcccc aactgcatcg cctggtgctg ctgcctaccc tagtctcacc aatcgtggat   2160
ctaactttgc tcctgagact ggacagactg caggacaatt ccagacacgg acagcagagg   2220
gtgtgggtgt ctggccacag tggcagggcc agcagcctca tcatcgttca agttctagtg   2280
agcaacatgt tcaacaaccg ccagcacagc aacctggcca gcctgaggtc ttccaggaga   2340
tgctgtccat gctgggagat cagagcaaca gctacaacaa tgaagaattc cctgatctaa   2400
ctatgtttcc ccccttttca gaatagaact attggggtga ggataagggg tggggagaa   2460
aaaatcactg tttgtttta aaaagcaaat ctttctgtaa acagaataaa agttcctctc   2520
ccttcccttc cctcacccct gacatgtacc cccttccct tctggctgtt ccctgctct   2580
gttgcctctc taaggtaaca tttatagaag aaatggaatg aatctccaag gcttttagga   2640
ctgtctgaaa atttgaggct gggtgaagtt aaaacacctt tccttatgtc tcctgacctg   2700
aaattgtata gtgttgattt tgtgctgaga tcaagaggca ggttagaaga acctgacatc   2760
cactgtttgc ccttggatag tatggcttgt ttttggaaag aaattctgaa gagagtggag   2820
gagaggagaa atgtcc                                                   2836



        <210> 8550
        <211> 2565
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (242)...(1520)
        <223> similar to gi32452 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters



        <400> 8550
ccgggcgacg atttcgtggc gggagctgca ctggccaggg gttccggctg tatatccatg     60
agcgccgctg gcagccgggg agctgcagga accagactgg gggcgagctg agcacctgta    120
gtcaatcaca cgcagctttt aggtttgttt gaataagaga tctgacctga ccggcccaac    180
tgtacaactc ttcaaggaaa attcgtattt gcagtgggaa gaataagtaa cattgatcaa    240
gatgaatgcc atgctggaga ctcccgaact cccagccgtg tttgatggag tgaagctggc    300
tgcagtggct gctgtgctgt acgtgatcgt ccggtgtttg aacctgaaga gccccacagc    360
cccacctgac ctctacttcc aggactcggg gctctcacgc tttctgctca gtcctgtcc    420
tcttctgacc aaagaatcca ttccaccgtt gatctggggg aaaagtggac acatccagac    480
agccttgtat gggaagatgg gaagggtgag gtcgccacat ccttatgggc accggaagtt    540
catcactatg tctgatggag ccacttctac attcgacctc ttcgagccct tggctgagca    600
```

```
ctgtgttgga gatgatatca ccatggtcat ctgccctgga attgccaatc acagcgagaa      660
gcaatacatc cgcactttcg ttgactacgc ccagaaaaat ggctatcggt gcgccgtgct      720
gaaccacctg ggtgccctgc ccaacattga attgacctcg ccacgcatgt tcacctatgg      780
ctgcacgtgg gaatttggag ccatggtgaa ctacatcaag aagacatatc ccctgaccca      840
gctggtcgtc gtgggcttca gcctgggtgg taacattgtg tgcaaatact tgggggagac      900
tcaggcaaac caggagaagg tcctgtgctg cgtcagcgtg tgccaggggt acagtgcact      960
gagggcccag gaaaccttca tgcaatggga tcagtgccgg cggttctaca acttcctcat     1020
ggctgacaac atgaagaaga tcatcctctc gcacaggcaa gctctttttg gagaccatgt     1080
taagaaaccc cagagcctgg aagacacgga cttgagccgg ctctacacag caacatccct     1140
gatgcagatt gatgacaatg tgatgaggaa gtttcacggc tataactccc tgaaggaata     1200
ctatgaggaa gaaagttgca tgcggtacct gcacaggatt tatgttcctc tcatgctggt     1260
taatgcagct gacgatccgt tggtgcatga aagtcttcta accattccaa aatctctttc     1320
agagaaacga gagaacgtca tgtttgtgct gcctctgcat gggggccact tgggcttctt     1380
tgagggctct gtgctgttcc ccgagcccct gacatggatg gataagctgg tggtggagta     1440
cgccaacgcc atttgccaat gggagcgtaa caagttgcag tgctctgaca cggagcaggt     1500
ggaggccgac ctggagtgag gcctccggac tctggcacgc tccagcagcc ctcctctgga     1560
agctgcgtgc ccctcacccc ctgtttaagg tctcccatct ccctcagtga cctggatctg     1620
acctcacacc atcagcaggg ggcacccacc atgcacacct gtctcggagt aggcagctct     1680
tcctgggagc tccaggctat ttttgtgctt agttactggt tttctccatt gcattgttag     1740
gcatggtgac aagtgacaga gttcttgccc tctgtccagt ttcagcatct ggttgctttt     1800
aagccaagta catctagttt ccctattaaa aatgtgtctg aatagcgatt ttgctttgcc     1860
accaaaaggc ttttccctga gaacagtgaa ggatgtatgt cattttgtgg tggttgtatg     1920
tgtccttaca tagaccttaa aaagagctca cccttccagg ccaatgctga agacacagct     1980
ccgcttggga gcctgagaac ccaggcttcc caggccagag tgtggcttct taaacggcaa     2040
aggaaattcc tttgagtcac aagccaagtt ttcgccctgt ctcctgagac catttcccta     2100
cgctttgctg ctgctgagag ttacctgagg cacttgttaa aaattcagcc tcccaggtcc     2160
ctcccctcgg agaggctgat tcactgggtc tgggaaggag cctggggatt ttaatttttc     2220
acaagtgccc cagatgattc tcatcaccaa gcaaattttg gaaatgctgt tcaacagcgc     2280
ccttaaattg gaaacatctt tgcagctcgt tttattgaaa ttcataatca ggggtgtcct     2340
ctagctccca cggtctccag agcagcaagg ccggctatgg agctgccgtc gtgtgaccac     2400
agtgtgatgt ctcagaaggg ctctgggtgg gctgagcatc tgggctgtgc cctggctctg     2460
cttttcaccc tggacaaagt cgctgtggac ttcaatttct tcacctctaa aatggggac       2520
ttggaccagg tagattgctg agctcactac caggttcaaa gttcg                      2565
```

<210> 8551
<211> 5002
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (800)...(5004)
<223> similar to gi961452 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8551
```
aagttttgga gcgccggaca agctgaggtc cgcgactcgt cgctaagatt ccccaaaact       60
gagatttcaa gaaaattcac cctttccgct ttctttggcg cccttcaacc gtgaaggaaa      120
tgaaggttga gaacctggaa cccgcttcca aagaccaagc cctttctctg tgcctcacaa      180
cagtcttgcg ctgtagctgt ttttattacc cctattttac tactggggag gagatttgag      240
```

```
gtcctgaaag tgaagtgact tgctggacgt cacttagcag aggagatggc gaaacctgga    300
ttagaggcga tgccttctaa ctcccagcgt ggacttgcct cctttcctgg gggtgactga    360
atgcccagcc agggacgcga cgtctctggc cagcagaaat acggcctcct ccccgccgac    420
tgggcaaagg gggaccttgc ggccaaggag ggattcgcag gcgggccggg ggtgggagcg    480
ggggccggag ccggagcctt ggcccgcccc cgggcggcgc tgtgattggc cggccgctcc    540
ggcgggcgtc gcgattggcc gtcctgcagc cgttgagatt tgaactcggt atttgtggct    600
ttgcccgcgc gttgccagac tcagaggcgg cccttttgcct ctgcctgccg gggattggcc    660
ggattctccg ccgacttgaa aactgccttg ctaattggtg cgtgttgtgc acgcgtgttt    720
tttccttttc atttcagcct gactgccgga atcagagccg cgggtgagat ccccagccct    780
gtgagcctgt aggagtagaa tggctcccca aatgtatgag ttccatctgc cattatcccc    840
agaggagttg ttgaaaagtg gaggggtgaa tcagtatgtt gtgcaagagg tactgtccat    900
caaacatctt ccaccacagc ttagagcttt tcaggctgcc tttcgagctc aggggcccct    960
ggctatgctg cagcactttg atactatcta cagcattttg catcactttc gaagtataga   1020
tcctggcctc aaagaagata ctctggaatt cctgataaaa gtggtatccc gccactccca   1080
ggagcttcca gctatcctgg atgatacaac tttgagtgga tcagatagaa acgcccatct   1140
aaatgccctc aaaatgaact gttatgctct gatacgtctc ctggaatcct ttgagaccat   1200
ggccagccag acaaaccttg tggacctgga ccttggtggg aagggtaaga aagctcggac   1260
caaggcagcc catggctttg actgggaaga agagaggcaa ccaattcttc agcttttaac   1320
acagctactt cagttggaca tccgtcacct gtggaaccac tcaataattg aagaagaatt   1380
tgtcagtttg gttactggct gttgctaccg ccttctggag aatcccacca ttaatcacca   1440
gaagaaccgc cccactcggg aagccataac acacctgctt ggtgtagcct tgacccgtta   1500
taaccatatg ctcagtgcta cagtgaagat catccagatg ctgcagcact ttgaacacct   1560
ggcacctgta ctggttgcag ccgtgagtct atgggcaact gactatggaa tgaagagcat   1620
agtgggagag attgtaagag agattggaca aaagtgtccc caagagctga gtcgagaccc   1680
ttcagggaca aagggctttg cagcattcct gacagaacta gcagaacgtg tcccagctat   1740
cctgatgtcc agcatgtgca ttttgctaga tcacctggat ggagaaaatt acatgatgcg   1800
taatgctgtg ctggcagcca tggcggagat ggtgctgcag gttctcagtg gcgatcaact   1860
ggaagcagca gcccgagaca ccagagacca gttcttggat actttacaag cccatggcca   1920
tgatgtcaac tcctttgtgc ggagccgtgt tttgcagctc ttcacccgaa ttgtccagca   1980
gaaggctctc cccctgacac gtttccaggc agtggtggct ttagctgtgg gacgtctggc   2040
agacaagtca gtgctagtat gtaaaaatgc catccagctg ctggccagtt ttctagccaa   2100
taatcctttc tcctgcaagc ttagtgatgc tgaccttgcc ggaccactgc agaaggagac   2160
ccagaaatta caagagatga gggcccagag gcgaactgca gcagcttctg cagtgctgga   2220
cccagaggag gagtgggaag ccatgctgcc agagttgaag tctaccctgc agcagcttct   2280
acagcttccc cagggagagg aggagattcc tgagcaaatt gccaatacag agacaactga   2340
agatgtgaaa ggacgcatct atcaactgct tgccaaagct agttacaaaa aggccatcat   2400
tctcactcga gaagccacag gccacttcca ggagtccgaa cccttcagtc atatagaccc   2460
agaggagtca gaggagacca ggctcttgaa tatcttagga cttatcttca aaggcccagc   2520
agcttccaca caagaaaaga atccccggga gtctacagga aacatggtca caggacagac   2580
tgtctgtaaa aaaaaaccca atatgtcgga tcctgaggaa tccaggggaa atgatgaact   2640
agtgaagcag gagatgctgg tacagtatct gcaggatgcc tacagcttct cccggaagat   2700
tacagaggcc attggcatca tcagcaagat gatgtatgaa aacacaacta cagtggtgca   2760
ggaggtgatt gaattctttg tgatggtctt ccaatttggg gtaccccagg ccctgtttgg   2820
ggtgcgccgt atgctgcctc tcatctggtc taaggagcct ggtgtccggg aagccgtgct   2880
taatgcctac cgccaactct acctcaaccc caaagggac tctgccagag ccaaggccca   2940
ggctttgatt cagaatctct ctctgctgct agtggatgcc tcggttggga ccattcagtg   3000
tcttgaggaa attctctgtg agtttgtgca gaaggatgag ttgaaaccag cagtgaccca   3060
gctgctgtgg gagcgggcca ccgagaaggt cgcctgctgt cctctggagc gctgttcctc   3120
tgtcatgctt cttggcatga tggcacgagg aaagccagaa attgtgggaa gcaatttaga   3180
cacactggtg agcatagggc tggatgagaa gtttccacag gactacaggc tggcccagca   3240
ggtgtgccat gccattgcca acatctcgga caggagaaag ccttctctgg gcaaacgtca   3300
ccccccccttc cggctgcctc aggaacacag gttgtttgag cgactgcggg agacagtcac   3360
aaaaggcttt gtccacccag acccactctg gatcccattc aaagaggtgg cagtgaccct   3420
catttaccaa ctggcagagg ggccccgaagt gatctgtgcc cagatattgc agggctgtgc   3480
aaaacaggcc ctggagaagc tagaagagaa gagaaccagt caggaggacc cgaaggagtc   3540
ccccgcaatg ctccccactt tcctgttgat gaacctgctg tccctggctg gggatgtggc   3600
tctgcagcag ctggtccact tggagcaggc agtgagtgga gagctctgcc ggcgccgagt   3660
```

7131

```
tctccgggaa gaacaggagc acaagaccaa agatcccaag gagaagaata cgagctctga    3720
gaccaccatg gaggaggagc tggggctggt tggggcaaca gcagatgaca cagaggcaga    3780
actaatccgt ggcatctgcg agatggaact gttggatggc aaacagacac tggctgcctt    3840
tgttccactc ttgcttaaag tctgtaacaa cccaggcctc tatagcaacc cagacctctc    3900
tgcagctgct tcacttgccc ttggcaagtt ctgcatgatc agtgccactt tctgcgactc    3960
ccagcttcgt cttctgttca ccatcctgga aaagtctcca cttcccattg tccggtctaa    4020
cctcatggtt gccactgggg atctggccat ccgctttccc aatctggtgg acccctggac    4080
tcctcatctg tatgctcgcc tccgggaccc tgctcagcaa gtgcggaaaa cagcggggct    4140
ggtgatgacc cacctgatcc tcaaggacat ggtgaaggtg aaggggcagg tcagcgagat    4200
ggcggtgctg ctcatcgacc ccgagcctca gattgctgcc ctggccaaga acttcttcaa    4260
tgagctctcc cacaagggca acgcaatcta taatctcctt ccagatatca tcagccgcct    4320
gtcagacccc gagctggggg tggaggaaga gcctttccac accatcatga aacagctcct    4380
ctcctacatc accaaggaca agcagacaga gagcctggtg gaaaagctgt gtcagcggtt    4440
ccgcacatcc ctaactgagc ggcagcagcg agacctggcc tactgtgtgt cacagctgcc    4500
cctcacagag cgaggcctcc gtaagatgct tgacaatttt gactgttttg gagacaaact    4560
gtcagatgag tccatcttca gtgctttttt gtcagttgta ggcaagctgc gacgtggggc    4620
caagcctgag ggcaaggcta taatagatga atttgagcag aagcttcggg cctgtcatac    4680
cagaggtttg gatggaatca aggagcttga gattggccaa gcaggtagcc agagagcgcc    4740
atcagccaag aaaccatcca ctggttctag gtaccagcct ctggcttcta cagcctcaga    4800
caatgacttt gtcacaccag agccccgccg tactacccgt cggcatccaa acacccagca    4860
gcgagcttcc aaaaagaaac ccaaagttgt cttctcaagt gatgagtcca gtgaggaaga    4920
tctttcagca gagatgacag aagacgagac acccaagaaa acaactccca ttctcagagc    4980
atcggctcgc aggcacagat cc                                             5002


        <210> 8552
        <211> 1707
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (38)...(1520)
        <223> similar to gi180260 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters



        <400> 8552
cgacccacgc gtccgtacac accactgcct gataaccatg ctggctgcca cagtcctgac      60
cctggccctg ctgggcaatg cccatgcctg ctccaaaggc acctcgcacg aggcaggcat     120
cgtgtgccgc atcaccaagc ctgccctcct ggtgttgaac cacgagactg ccaaggtgat     180
ccagaccgcc ttccagcgag ccagctaccc agatatcacg ggcgagaagg ccatgatgct     240
ccttggccaa gtcaagtatg ggttgcacaa catccagatc agccacttgt ccatcgccag     300
cagccaggtg gagctggtgg aagccaagtc cattgatgtc tccattcaga acgtgtctgt     360
ggtcttcaag gggaccctga gtatggctca caccactgcc tggtggctgg gtattgatca     420
gtccattgac ttcgagatcg actctgccat tgacctccag atcaacacac agctgacctg     480
tgactctggt agagtgcgga ccgatgcccc tgactgctac ctgtctttcc ataagctgct     540
cctgcatctc caaggggagc gagagcctgg gtggatcaag cagctgttca caaatttcat     600
ctccttcacc ctgaagctgg tcctgaaggg acagatctgc aaagagatca cgtcatctc      660
taacatcatg gccgattttg tccagacaag ggctgccagc atcctttcag atggagacat     720
tggggtggac atttccctga caggtgatcc cgtcatcaca gcctcctacc tggagtccca     780
tcacaagggt catttcatct acaagaatgt ctcagaggac ctccccctcc ccaccttctc     840
```

```
gcccacactg ctgggggact cccgcatgct gtacttctgg ttctctgagc gagtcttcca      900
ctcgctggcc aaggtagctt tccaggatgg ccgcctcatg ctcagcctga tgggagacga      960
gttcaaggca gtgctggaga cctggggctt caacaccaac caggaaatct tccaagaggt     1020
tgtcggcggc ttccccagcc aggcccaagt caccgtccac tgcctcaaga tgcccaagat     1080
ctcctgccaa aacaagggag tcgtggtcaa ttcttcagtg atggtgaaat tcctctttcc     1140
acgcccagac cagcaacatt ctgtagctta cacatttgaa gaggatatcg tgactaccgt     1200
ccaggcctcc tattctaaga aaaagctctt cttaagcctc ttggatttcc agattacacc     1260
aaagactgtt tccaacttga ctgagagcag ctccgagtcc atccagagct tcctgcagtc     1320
aatgatcacc gctgtgggca tccctgaggt catgtctcgg ctcgaggtag tgtttacagc     1380
cctcatgaac agcaaaggcg tgagcctctt cgacatcatc aaccctgaga ttatcactcg     1440
agatggcttc ctgctgctgc agatggactt tggcttccct gagcacctgc tggtggattt     1500
cctccagagc ttgagctaga agtctccaag gaggtcggga tggggcttgt agcagaaggc     1560
aagcaccagg ctcacagctg gaaccctggt gtctcctcca gcgtggtgga agttgggtta     1620
ggagtacgga gatggagatt ggctcccaac tcctccctat cctaaaggcc cactggcatt     1680
aaagtgctgt atccagaaa aaaaaaa                                          1707
```

<210> 8553
<211> 4389
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (88)...(1714)
<223> similar to gi3851711 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8553
```
ggttctgagg actgggtttg ggtgcagacg ttgttgcttg ggcgcttctc cgctgcgtgt       60
aggtgaaggg ggcttcctga ccgagacatg gatttaggtg ctattacaaa atactcagca      120
ttacacgcca agcccaatgg actgatcctt caatacggga ctgctggatt tcgaacgaag      180
gcagaacatc ttgatcatgt catgtttcgc atgggattat tagctgtcct gaggtcaaaa      240
cagacaaaat ccactatagg agtcatggta acagcgtccc acaatcctga ggaagacaat      300
ggtgtaaaat tggttgatcc tttgggtgaa atgttggcac catcctggga ggaacatgcc      360
acctgtttag caaatgctga ggaacaagat atgcagagag tgcttattga catcagcgag      420
aaagaagctg tgaatctgca acaagatgcc tttgtagtta ttggtagaga taccaggccc      480
agcagtgaga aactttcaca atctgtaata gatggtgtga ctgttctagg aggtcaattc      540
catgattatg gcttgttaac aacaccccag ctgcactaca tggtgtattg tcgaaacacg      600
ggtggccgat atggaaaggc aactatagaa ggttactacc agaaactctc taaggctttt      660
gtggaactca ccaaacaggc ttcttgcagt ggagatgaat acagatcact taaggttgac      720
tgtgcaaatg gcataggggc cctgaagcta agggaaatgg aacactactt ctcacagggc      780
ctgtcagttc agctgtttaa tgatgggtcc aagggcaaac tcaatcattt atgtggagct      840
gactttgtga aaagtcatca gaaacctcca cagggaatgg aaattaagtc caatgaaaga      900
tgctgttctt ttgatggaga tgcagacaga attgtttatt actaccatga tgcagatggc      960
cactttcatc tcatagatgg agacaagata gcaacgttaa ttagcagttt ccttaaagag     1020
ctcctggtgg agattggaga aagtttgaat attggtgttg tacaaactgc atatgcaaat     1080
ggaagttcaa cacggtatct tgaagaagtt atgaaggtac ctgtctattg cactaagact     1140
ggtgtaaaac atttgcacca caaggctcaa gagtttgaca ttggagttta ttttgaagca     1200
aatgggcatg gcactgcact gtttagtaca gctgttgaaa tgaagataaa acaatcagca     1260
gaacaactgg aagataagaa aagaaaagct gctaagatgc ttgaaaacat tattgacttg     1320
```

```
tttaaccagg cagctggtga tgctatttct gacatgctgg tgattgaggc aatcttggct   1380
ctgaagggct tgactgtaca acagtgggat gctctctata cagatcttcc aaacagacaa   1440
cttaaagttc aggttgcaga caggagagtt attagcacta ccgatgctga aagacaagca   1500
gttacacccc caggattaca ggaggcaatc aatgacctgg tgaagaagta caagctttct   1560
cgagcttttg tccggccctc tggtacagaa gatgtcgtcc gagtatatgc agaagcagac   1620
tcacaagaaa gtgcagatca ccttgcacat gaagtgagct tggcagtatt tcagctggct   1680
ggaggaattg gagaaaggcc ccaaccaggt ttctgaagat aattttcata ttcctgagaa   1740
actggacttt ttacaagtct ttacaaaact gtcaataata atggcagtac taagagattt   1800
ataatcataa tgtttacaat gcagcctact ggattgtctc tagatctgtt tttcttaaac   1860
actaacagaa taattcttta taaataggta agccttacac ttgttaaaga aatttacctc   1920
taatttcagt ctcactaatg taaaatactg ggacttaagt atacaattca gtcactaact   1980
gtacagtttt atgtggggaa caattcatgc aggctactgg aaaattaaat cttattacca   2040
actccttgtg atatctttgc catcaccatc acatgagcaa gatgatgttt tgcagcattc   2100
cccattgctg atacaaatgg agagggcaga gaagacttta tacaaccagt ttttccattg   2160
cagagtctta agaaagatta ttagatgact tacctatatg gactaatgcc atccaggaac   2220
tccagaggta tgaatagggg ggtggtccat ccctcttccc atactgaggt ggagatgctc   2280
atgcaatact tttaaggatg catggtccag ccttcagtta ttcttcactg ctcttggtga   2340
agggtatgtg ggagaaaaac ctaattataa tacgtttccc cagccctctg atggagaagg   2400
aacacccatt ctgatacccaa gaacatggtt aataaggaaa agagaaaaat ccccaaccaa   2460
tcttaattga accaagtctg aaaccaatgg aaaaaaaaaa atgggtagtg tatatttttg   2520
caggtttaag gacaacttca gggacaataa aaacaatggg actttacatg tgtatatata   2580
tagctctctt aggcaccata atcagtatga gccaacaata tttaaacttg attcaggcca   2640
cattcagaca tttgctctta tatacaaata tttaaattaa atacaatctg aaatgtgttc   2700
tgttacatac aaaaaaggaa aaactataca acgcagagca gtgtgtgtgt tttaaataat   2760
tacatttaca tgtaagctaa atggaaccag caatggtgct caagttttta tcatcccttc   2820
cagaaaatct ttttctacca tctcttctat tttttgcctg gctttgctgg aacatggttt   2880
gtggttctcc agtttcatgt ccttattagg gaaggcattt gagtagagga taggactccc   2940
tgagtgtcct ccacatcggc ttgtgacttt gctgttgaag acttgactga gcacattgaa   3000
gaacggcagg agctgctcca tactgcgcac ggtgcagatg gtgagcagca agtgccctgg   3060
ctcccaaccc aatgttctcc ctgagttgtc ttcctctgga tttttctgca gaaaacaaaa   3120
agtgaactgg tattaataca acagacaatg tggtatgtta gaaaaattaa aaatatataa   3180
actttggcaa ttggtcaaga aatgaataca aatgacatta agtttctaac tcctgacctg   3240
atcaaaaccc ttggtgcttc tgagaccttt tactgccatt tattagtttt acatggagca   3300
gtctaacatt gtagtaatag ttcccaacta gaatgcgcag ataagcttag ttaacagaaa   3360
tagctttgaa caggaataga gtcaaacata aaagttttat gttgtgcttt gtatttactc   3420
aaaaagctcc caggtttctg aaccctcact actgtaacca aggactaggt cacaaaatta   3480
ctacagaaaa aaggaacaaa gtgctttata catttcataa tatatcccct tttattataa   3540
ttagttaatt ccctttttatc taaatggcct aaatttgcca tgatggtagc agtgtccaaa   3600
gtgaataatt actgtcagta ctgcatcaca gagaaaggaa gggatccctc aggagacact   3660
gctgtctcct tctgggttgt gctaaacaac ataggaggga aagctggacc tggagtcaaa   3720
ggaattgagt tagtgtgctg gctctgccat acttacggca cccttgggca ggatatacaa   3780
aggttcctca cttataaaat gggacagtct aaaactacct tttagtagag aagtcaaatg   3840
agaaggtatg tgaaaactct gtcaactaaa tataaagact aataatttgg gtattaagag   3900
gctagtttga gaagccacct gaattacaca aacacagcta cagacatcat tctgtgtaga   3960
gaaagataag agagaacagg ttggttgaac ttgggcagaa tcacagatac ctttccacac   4020
taaagaatga aaataagcta tgaactttac agaaggaaga aatcatgaag acttaggaag   4080
cagaattaca atctgtcata ttaacaaatg gagtttgcct tctaagatca gatgttgctc   4140
agaaactttc attgtttacc taataattta atatcactag tttcctagtg ggtcaagcag   4200
atgcaaaatc cagcttattt tcttctatgt gctctcaagc ttattgctta ttttaaagta   4260
aaatcctgaa aaaggaaaat attaggttgg tgcaaacgta attgcggttt ttgcattgtt   4320
gaaatttgcc gtttatatt ggagtacatt cttaaataaa tgtggttatg ttatacatca   4380
aaaaaaaaa                                                           4389
```

<210> 8554
<211> 3230
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (183)...(2420)
<223> similar to gi188658 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8554
```
gagctgacaa tatcaggtga gctgtggagg tggggtcctt ggaagctgga tgacagcagc      60
tggcaagggg ataagagagc agtgagcccc tccctcaagg aggtctggct ttatccatag     120
acagggccct ctgaggtggg gctgaggtac aaaggggggat tgagcagccc aggagaagag     180
agatgggggt tcccttcttc tcttctctca gatgcatggt ggacttagga ccttgctggg     240
ctgggggtct cactgcagag atgaagctgc ttctggccct agcagggctc ctggccattc     300
tggccacgcc ccagccctct gaaggtgctg ctccagctgt cctgggggag gtggacacct     360
cgttggtgct gagctccatg gaggaggcca agcagctggt ggacaaggcc tacaaggagc     420
ggcgggaaag catcaagcag cggcttcgca gcggctcagc cagccccatg gaactcctat     480
cctacttcaa gcagccggtg gcagccacca ggacggcggt gtgggccgct gactacctgc     540
acgtggctct agacctgctg gagaggaagc tgcggtccct gtggcgaagg ccattcaatg     600
tcactgatgt gctgacgccc gcccagctga atgtgttgtc caagtcaagc ggctgcgcct     660
accaggacgt gggggtgact tgcccggagc aggacaaata ccgcaccatc accgggatgt     720
gcaacaacag acgcagcccc acgctggggg cctccaaccg tgcctttgtg cgctggctgc     780
cggcggagta tgaggacggc ttctctcttc cctacggctg gacgcccggg gtcaagcgca     840
acggcttccc ggtggctctg gctcgcgcgg tctccaacga gatcgtgcgc ttccccactg     900
atcagctgac tccggaccag gagcgctcac tcatgttcat gcaatggggc cagctgttgg     960
accacgacct cgacttcacc cctgagccgg ccgcccgggc ctccttcgtc actggcgtca    1020
actgcgagac cagctgcgtt cagcagccgc cctgcttccc gctcaagatc ccgcccaatg    1080
accccgcat caagaaccaa gccgactgca tcccgttctt ccgctcctgc ccggcttgca    1140
ccgggagcaa catcaccatc cgcaaccaga tcaacgcgct cacttccttc gtggacgcca    1200
gcatggtgta cggcagcgag gagcccctgg ccaggaacct gcgcaacatg tccaaccagc    1260
tggggctgct ggccgtcaac cagcgcttcc aagacaacgg ccgggccctg ctgcccttt g    1320
acaacctgca cgatgacccc tgtctcctca ccaaccgctc agcgcgcatc ccctgcttcc    1380
tggcagggga caccgttcc agtgagatgc ccgagctcac ctccatgcac accctcttac    1440
ttcgggagca caaccggctg gccacagagc tcaagagcct gaaccctagg tgggatgggg    1500
agaggctcta ccaggaagcc cggaagatcg tgggggccat ggtccagatc atcacttacc    1560
gggactacct gcccctggtg ctggggccaa cggccatgag gaagtacctg cccacgtacc    1620
gttcctacaa tgactcagtg gacccacgca tcgccaacgt cttcaccaat gccttccgct    1680
acggccacac cctcatccaa cccttcatgt tccgcctgga caatcggtac cagcccatgg    1740
aacccaaccc ccgtgtcccc ctcagcaggg tctttttgc ctcctggagg gtcgtgctgg    1800
aaggtggcat tgaccccatc ctccggggcc tcatggccac ccctgccaag ctgaatcgtc    1860
agaaccaaat tgcagtggat gagatccggg agcgattgtt tgagcaggtc atgaggattg    1920
ggctggacct gcctgctctg aacatgcagc gcagcaggga ccacggcctc caggataca    1980
atgcctggag gcgcttctgt gggctcccgc agcctgaaac tgtgggccag ctgggcacgg    2040
tgctgaggaa cctgaaattg gcgaggaaac tgatggagca gtatggcacg cccaacaaca    2100
tcgacatctg gatgggcggc gtgtccgagc tctgaagcg caaaggccgc gtgggcccac    2160
tcctcgcctg catcatcggt acccagttca ggaagctccg ggatggtgat cggtttttggt    2220
gggagaacga gggtgtgttc agcatgcagc agcgacaggc cctggcccag atctcattgc    2280
cccggatcat ctgcgacaac acaggcatca ccaccgtgtc taagaacaac atcttcatgt    2340
ccaactcata tccccgggac tttgtcaact gcagtacact tcctgcattg aacctggctt    2400
cctggaggga agcctcctag aggccaggta agggggtgca gcagtgaggg gtatatctgg    2460
gctggccagt tggaaccacg gagatctcct tgccctagat gagcccagcc ctgttctggg    2520
```

7135

```
tgcagctgag aaaatgagtg actagacgtt catttgtgtg ctcatgtatg tgcgaagtat      2580
ataaattggc ttttcatgcg tgtgtgttgt ctgaacatgg ggagtgtttc atgggttatg      2640
tgtatgtgcc atttatgtga gtgtgtgttt gtgctgatga gaatactgag tatgtggaag      2700
gcagcagagc ggactggtga ggagcacagc tcaggaacta gactgcctgg gttccaatcc      2760
tggctctggg gcttgctagc tatgtgacct tgagcaaatt accctcctta aacaagagtt      2820
ttcttccttg taaattacat ctgtcatggt ttcttggagg gcccacttgt atcctctggt      2880
tcttcattta ttgagcacct actacatgca aggcactgta ctaggcgtga gaagcatata      2940
gaggcaagaa agagatacca agatgccatc tgtgtcctgg ttagcagagc tggaccagtg      3000
gtgccttgga gggataagcc agctgcagct gggctgtgtg gttgacttat gggcccagcc      3060
agccaggctc aggccatggc tcccctttt cttcctcacc ctgatttctt gcttattcac      3120
tgaagttctc ctgaagagga actgggcctg ttgccctttc tgtaccattt atttgctccc      3180
aatgtttatg ataataaagg caccgctgat ggggacctcc aaaaaaaaaa                 3230
```

<210> 8555
<211> 2987
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(2988)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (87)...(1907)
<223> similar to gi2706518 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8555
```
tttcgtcggg gccccgcccc tcctcggact ctacccagta ctgaactagg ggcagctggg        60
ctccagagtc cctcgggtct caggtcatgg cggtcgcggg gcccgcgccc ggagctggcg       120
ccaggcccag gttagatctg caatttctcc agcggttcct gcagatactg aaggtttgt        180
ttccttcttg gtcatcacaa aatgccttga tgttcctgac cctttgtgc ctgaccctac        240
tggagcaatt tgtgatctac caggttggct tgatccccag tcagtactat ggggtcctgg        300
gaaacaaaga cttggaaggg tttaagactc tgacattcct ggctgtcatg ctcattgttc        360
tgaactccac gctgaagagc tttgatcagt tcacctgcaa cctgctgtat gtgagctgga        420
ggaaggacct cactgagcac cttcaccgcc tctacttccg gggccgtgcg tactacaccc        480
tcaacgtgct gcgggatgac atcgataacc cggaccagcg catcagccag gacgtggagc        540
gattctgccg gcagctcagc agcatggcca gcaagctcat catctcccg ttcaccctcg        600
tctactacac ttaccagtgc ttccaaagca caggctggct cgggcctgtg agcatcttcg        660
ggtatttcat cctggggacc gtggtgaaca aactttgat gggccccatt gtgatgaagc        720
tggtgcatca ggagaagctg gagggagatt ttaggttcaa gcacatgcag attcgggtga        780
atgcggagcc tgctgctttc tacagagctg ggcatgtgga gcacatgagg acagaccgca        840
ggctgcagag actccttcag acccagaggg agctgatgtc caaggagctc tggctgtaca        900
tcggcatcaa caccttttgac tatctgggca gcatcctgag ttacgttgtc atcgcaatcc        960
ccattttcag cggggtctat ggagacctga gtcccgcaga gcttagcacc ctggtcagca       1020
agaatgcctt tgtgtgcatc tacctcatca gctgcttcac ccagctcatc gacctgtcca       1080
cgacgctctc agatgtggct ggctacacgc acagaattgg gcagcttcgg gagacgcttc       1140
tggacatgtc cctgaagtca caggactgcg agatcctggg cgagagcgag tggggcttgg       1200
```

                                    7136

```
acacaccccc agggtggcca gcggcagagc cagcagacac agcatttctc cttgagcggg    1260
tctccatctc tgcccccctcc tctgacaaac ccctaatcaa ggatctgagc ctaaagatct    1320
ccgagggaca gagcctgctc atcacaggca acacgggcac tggcaagacc tccttgctcc    1380
gggttctggg tggcctctgg acgagtacac ggggctcagt gcagatgctg acggactttg    1440
ggccccatgg ggtgctattc ctgccacaaa agccattctt cactgacggg acccttcggg    1500
agcaggtgat atatcccctg aaggaggtct accccgactc aggttctgcc gatgatgaga    1560
ggatcttgag gttcttggaa ttggcaggcc tgtccaactt ggtggcaagg acagagggtc    1620
tggaccagca ggtggactgg aactggtatg atgttctgtc cccggggggag atgcaacggc    1680
tctcctttgc ccgactcttc tacctgcagc cgaagtacgc agtgcttgat gaagccacca    1740
gtgccctgac agaggaagtg gagagcgagc tctatcgcat cggccagcag ctggggatga    1800
cgttcatcag tgtgggacat cggcagagcc ttgagaagtt tcattccttg gttctgaaac    1860
tctgtggagg aggaagatgg gagctgatga gaatcaaagt ggaatgaagc tctggctttt    1920
ggaaggagaa cccacactgt ggcgggtcgg cggccctcaa gagacaccag gaggactgac    1980
agcctgatct ccatgtggtg gttcggccca catagatccc cgtgcaggag cccgccaatg    2040
gtcctgtgca gggacccccc tagcaagtgg gtggctgagc cccaggccta ggtttctgtg    2100
ggggacattg aatctccccca gtgttcagtc tccccaggac tctgctgcct cagccagagc    2160
ctccatatgc ttgaagtgct gattacctac aaatgatttc agatcatgtt tgctaaagag    2220
aaatctggaa gtgtgagatc tgtaagaaat gaaagaaatg ganttgggga gtcaagagat    2280
ctggaaatct tttaatcagt taaattgtgc cagccaatag gattttaaa ctttaactgg    2340
accatttaag ttttttaata agtttttac aaaggaaagt taaaacatta aaaaggaatt    2400
acagctttct gtcttctcta tcatggaatg atttttttta ttgaatctcc agatttgtat    2460
ttgacagctt ggtgggaagg gaagcacact ctgctgttct ggaatcttat gcccaggggtt    2520
tttcacttct ccccacatct cccttttccac ttgccagtgt tgtgtagtta gaacctgaac    2580
cactaacttc taggggcctt tggtctgccc cctaccctaa cccccaaatg aaagtaaatc    2640
ccctttcccc cctagcccaa aataaggttg ggttttccta aaaaaatagt cctatattag    2700
ggaacaacaa cagcaaatta gacaaaaccc cagaaagcac aaagcatgag gtggagttac    2760
tgtgcccaaa gtcctcactc agaccagtgc ccctaccagt tcagttgtct atgtattacc    2820
ttccttacct tcataatgtt tgccaggctt ctgtacttct agtacttgag ttacttaata    2880
tttttaaaaa caaaccttttt aagtttaaat ggatttttaa gtgaaatttt acacttaaca    2940
tagatggaaa gtaactaaaa ataaatacaa gaaaaacaaa aaaaaaa                   2987
```

```
<210> 8556
<211> 2562
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2454)...(1737)
<223> similar to gi1006665 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 8556
tttttttttt ttttacaaat ccaagtaaca actttattgt agtatacagc acaattttta     60
catacatatt agtggttttg acagtgttac ttttgagtag accttaaatg aatccacaaa    120
gttaatatat taaaaataaa atatacacag taaaacaaca ggcatccaga tgttcagaat    180
catgcagata ggagtggttt ggttggtgtt atcactgggt accttgccta tttaactcgc    240
cagcaaatac cacttcttct gtttctcatt cccatataat tcatcaaaat cagagagttc    300
taaacatata caaaataaac ctctttaaa gccacatcag taaaaaattt caattaataa    360
ggttatcatc aaaccaagaa ttccactgat catttgatca gcccattact aggaaacagg    420
```

```
caatatcagc acccgatcta aaggcaagcc tatttcattt attaaaacac caacaagaga      480
gattaatcaa caaagcaact attaacaaca tgttaatctt aatataagac actgagagaa      540
aagtaaaaat aatacataaa tatcactcca ctgagccagg atataactca tggactacag      600
atacatgagt ttcctacctg tcaaacaatg cctttaaaaa attttttttag gaaaaaaaaa      660
aaaaacacaa tatatgagaa gatgcaaagg aaaggcagaa atgtgaattt atgcatctag      720
ttccacaatt taaaataaat atcaaactga caatataaag ctaagtgaca atgacttaac      780
cattgggcac caaacaggca atacaactgc tcactgtaat acataatgct cttcaggagt      840
ttccagcaga tggccatcac aacaatactg tcataataca gaaaaaacat ttatccactg      900
tggaaagaga ccctgaagag aatgtggcaa aggcatagag aaaaagttgg atcttttgaa      960
aaagttaatg atatcaaaat acttttccat cactggtaaa ccaagctagg tcaagtatat     1020
gtcccaaagc agcactgaat tcagagtaag aggttggcag aaaagtttgg aaaactgcag     1080
tttttaaaaa ttggcaattt ctccatgctt aataaaacta tcagaagagg tataatgttt     1140
gtgcgtttgt ggaatgttga ctgcttgctg caaaaattta caacatgaat gaggacctgc     1200
agagatgcat atcaatgaaa tatttttta aaaatttaca aaaaactaaa gtttctattt     1260
aaaaaagaac catgttatgc caagatgaaa catggtaaaa agtagtgtaa gttctgtcca     1320
tgattcttta cctagtgaat gggaaagtaa tagaaacaat tttcttctta aaaaggaagg     1380
tttgttattg cactgacttt tacaacctga catagtaatt tagaaaaatc atgtagtaaa     1440
atctgtaaaa ttaaaatata aaagtctggt ttgtaaacat cagttggcca agtctattca     1500
gagtccttca tgatagtgga atggaatgaa taattaattc actaccttat ttatttgctg     1560
tgaggcagaa aattccagaa cacagccttt atactttcac agtaattata ttcaaaagat     1620
ataaagtcag tgcagttatt ttttttcttt ccctgtgcaa tgtttagctc tcaccccact     1680
cccaagtgcc ataattgaaa taatactggt ttggagaatt agtacagatt ggtcataaat     1740
gccgcataaa gtccgtagga cttcggtaaa ggtatttcca aatggcgtag taatgcactg     1800
cagctgccgt ggccacaaac aggtgccaga tggcgtgggc aaatggaatg atgccatcac     1860
tcttgaagaa cacaactccc aagcaataaa ttaagccccc acaggcaagt tcctgaagtc     1920
catcggtgtt gttcattgat gtcaccacca aggctggaga gaatcccatt gtgagataga     1980
aaaagagttc aaccccctta tatttttcat ggtagagaaa tacataaatg gttcctccag     2040
ctgccatgag ccagataaac caacgcatat gagatgccag gggtccaagt tcacgaagat     2100
ttaaccatgg agcataagaa gcagcaatga agaaatagat aaccattcta tcacacatgt     2160
gaaaacaatg ctccactgtc cttaagtggc tcttttttcca tgatacaatg tgaaatactg     2220
tagaaacgat gaagagggca cagagtccca ttccataaat ccatgctgtt atcttttccc     2280
agcagtcatc agacagccga tggaggaggg cactgcccac gatggccgga acaatgagga     2340
atgcgtgtgt gtaacagtta gcagcatgtt catagcaagt tggcttgtag cggccattgg     2400
ctggagctcg atggttcatg aaccgctgga atcgattctt gaaccgcatt gatcctctgc     2460
tcctcctcgg gggccaggag ctccgtctcg tcagcaccgg cggccgggcg cgcggccctc     2520
atgggcttgg gctgctccgg aggccgcctg cgtgtccagc gg                         2562
```

<210> 8557
<211> 841
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (207)...(727)
<223> similar to gi5639941 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8557
```
tgttcagcct tcaggaagaa ctcatttctg ttgttgacaa ctgaagttgt ctgtcagaaa       60
```

```
gcaatgttgt aaggtgacgt acagctacat atttttcctc aaaattgagg tgaaaggaat    120
ttctaaagta ggcattatgt tcttaatttt tatctgtgaa ttaagccacc cagctcctca    180
gctctttctc tgttggccct ctacttcaga ttactttcta tgaagacaaa aattttcaag    240
gccgtcgcta tgactgtgat tgcgactgtg cagatttcca cacataccta agtcgctgca    300
actccattaa agtggaagga ggcacctggg ctgtttatga aaggcccaac tttgctgggt    360
acatgtacat cttaccacag ggagagtacc ctgaatacca gcgttggatg ggcctcaacg    420
accgcctcag ctcctgcaga gctgttcatc tgcctagtgg aggccagtat aagattcaga    480
tctttgagaa aggggatttt agtggtcaga tgtatgaaac caccgaagat tgcccttcca    540
tcatggagca atttcacatg cgagagatcc actcctgtaa ggtgctggag ggtgtctgga    600
ttttctatga gctacccaac taccgtggca ggcagtacct cctggacaag aaggagtacc    660
ggaagcccat cgattggggt gcagcctccc cagctgtcca gtctttccgc cgcattgtgg    720
agtaatgaca tgaatggggc catattcttc ctggggccca aatgctggct ggccttgtgg    780
tccaaatagg catcatctaa taaaacagtt gtcatgcatc cctattttaa ttatgtcgca    840
c                                                                     841
```

        <210> 8558
        <211> 5493
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (527)...(2810)
        <223> similar to gi37433 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters

        <400> 8558
```
cagtgcgccc atcgcgcggc tcctcggggc acctgctgcc ttggcgcctt tccccttggc     60
cttcgcctcg cccgcagcgc cctccgcaga gggccccgcc cgctgcgcgc gcatccccgc    120
ccccggggcg atctgtcaga gcacctcgcg agcgtacgtg cctcaggaag tgacgcacag    180
cccccctggg ggccgggggc ggggccaggc tataaaccgc cggttagggg ccgccatccc    240
ctcagagcgt cgggatatcg ggtggcggct cgggacggag gacgcgctag tgtgagtgcg    300
ggcttctaga actacaccga ccctcgtgtc ctcccttcat cctgcggggc tggctggagc    360
ggccgctccg gtgctgtcca gcagccatag ggagccgcac ggggagcggg aaagcggtcg    420
cggccccagg cggggcggcc gggatggagc ggggccgcga gcctgtgggg aaggggctgt    480
ggcggcgcct cgagcggctg caggttcttc tgtgtggcag ttcagaatga tggatcaagc    540
tagatcagca ttctctaact tgtttggtgg agaaccattg tcatataccc ggttcagcct    600
ggctcggcaa gtagatggcg ataacagtca tgtggagatg aaacttgctg tagatgaaga    660
agaaaatgct gacaataaca caaaggccaa tgtcacaaaa ccaaaaaggt gtagtggaag    720
tatctgctat gggactattg ctgtgatcgt cttttttcttg attggattta tgattggcta    780
cttgggctat tgtaaagggg tagaaccaaa aactgagtgt gagagactgg caggaaccga    840
gtctccagtg agggaggagc caggagagga cttccctgca gcacgtcgct tatattggga    900
tgacctgaag agaaagttgt cggagaaact ggacagcaca gacttcaccg gcaccatcaa    960
gctgctgaat gaaaattcat atgtccctcg tgaggctgga tctcaaaaag atgaaaatct   1020
tgcgttgtat gttgaaaatc aatttcgtga atttaaactc agcaaagtct ggcgtgatca   1080
acattttgtt aagattcagg tcaaagacag cgctcaaaac tcggtgatca tagttgataa   1140
gaacggtaga cttgtttacc tggtggagaa tcctgggggt tatgtggcgt atagtaaggc   1200
tgcaacagtt actggtaaac tggtccatgc taattttggt actaaaaaag attttgagga   1260
tttatacact cctgtgaatg gatctatagt gattgtcaga gcagggaaaa tcacctttgc   1320
agaaaaggtt gcaaatgctg aaagcttaaa tgcaattggt gtgttgatat acatggacca   1380
```

7139

```
gactaaattt cccattgtta acgcagaact ttcattcttt ggacatgctc atctggggac   1440
aggtgaccct tacacacctg gattcccttt cttcaatcac actcagtttc caccatctcg   1500
gtcatcagga ttgcctaata tacctgtcca gacaatctcc agagctgctg cagaaaagct   1560
gtttgggaat atggaaggag actgtccctc tgactggaaa acagactcta catgtaggat   1620
ggtaacctca gaaagcaaga atgtgaagct cactgtgagc aatgtgctga aagagataaa   1680
aattcttaac atctttggag ttattaaagg cttttgtagaa ccagatcact atgttgtagt   1740
tggggcccag agagatgcat ggggccctgg agctgcaaaa tccagtgtag gcacagctct   1800
cctattgaaa cttgcccaga tgttctcaga tatggtctta aaagatgggt ttcagcccag   1860
cagaagcatt atctttgcca gttggagtgc tggagacttt ggatcggttg gtgccactga   1920
atggctagag ggatacctttt cgtccctgca tttaaaggct ttcacttata ttaatctgga   1980
taaagcggtt cttggtacca gcaacttcaa ggtttctgcc agcccactgt tgtatacgct   2040
tattgagaaa acaatgcaaa atgtgaagca tccggttact gggcaatttc tatatcagga   2100
cagcaactgg gccagcaaag ttgagaaact cactttagac aatgctgctt tccctttcct   2160
tgcatattct ggaatcccag cagtttcttt ctgttttttgc gaggacacag attatcctta   2220
tttgggtacc accatggaca cctataagga actgattgag aggattcctg agttgaacaa   2280
agtggcacga gcagctgcag aggtcgctgg tcagttcgtg attaaactaa cccatgatgt   2340
tgaattgaac ctggactatg agaggtacaa cagccaactg ctttcatttg tgaggatct   2400
gaaccaatac agagcagaca taaaggaaat gggcctgagt ttacagtggc tgtattctgc   2460
tcgtggagac ttcttccgtg ctacttccag actaacaaca gatttcggga atgctgagaa   2520
aacagacaga tttgtcatga agaaactcaa tgatcgtgtc atgagagtgg agtatcactt   2580
cctctctccc tacgtatctc caaaagagtc tcctttccga catgtcttct ggggctccgg   2640
ctctcacacg ctgccagctt tactggagaa cttgaaactg cgtaaacaaa ataacggtgc   2700
ttttaatgaa acgctgttca gaaaccagtt ggctctagct acttggacta ttcagggagc   2760
tgcaaatgcc ctctctggtg acgtttggga cattgacaat gagttttaaa tgtgataccc   2820
atagcttcca tgagaacagc agggtagtct ggtttctaga cttgtgctga tcgtgctaaa   2880
ttttcagtag ggctacaaaa cctgatgtta aaattccatc ccatcatctt ggtactacta   2940
gatgtcttta ggcagcagct tttaatacag ggtagataac ctgtacttca agttaaagtg   3000
aataaccact taaaaaatgt ccatgatgga atattccct atctctagaa ttttaagtgc   3060
tttgtaatgg gaactgcctc tttcctgttg ttgttaatga aaatgtcaga aaccagttat   3120
gtgaatgatc tctctgaatc ctaagggctg gtctctgctg aaggttgtaa gtggtcgctt   3180
actttgagtg atcctccaac ttcatttgat gctaaatagg agataccagg ttgaaagacc   3240
ttctccaaat gagatctaag cctttccata aggaatgtag ctggtttcct cattcctgaa   3300
agaaacagtt aactttcaga agagatgggc ttgtttttctt gccaatgagg tctgaaatgg   3360
aggtccttct gctggataaa atgaggttca actgttgatt gcacgaataa ggccttaata   3420
tgttaacctc agtgtcattt atgaaaagag gggaccagaa gccaaagact tagtatattt   3480
tcttttcctc tgtcccttcc cccataagcc tccatttagt tctttgttat ttttgtttct   3540
tccaaagcac attgaaagag aacccagttt tcaggtgttt agttggcaga cctcagtttg   3600
tcagactttta aaagaataat atgctgccca aattttgggc caaagtgtta atccttaggg   3660
gagagctttt ctgtcctttt gggcactgag gatatttatt ggtttttattt tatccaggtg   3720
acaggagttc actataaatg gtgtttttttt aatagaatat aattatcgga agcagtgcct   3780
tccataatta tgacagttat actgtcggtt tttttaaat aaaagcagca tctgctaata   3840
aaacccaaca gatactggaa gttttgcatt tatggtcaac acttaagggt tttagaaaac   3900
agccgtcagc caaatgtaat tgaataaagt tgaagctaag atttagagat gaattaaatt   3960
taattagggg ttgctaagaa gcgagcactg accagataag aatgctggtt ttcctaaatg   4020
cagtgaattg tgaccaagtt ataaatcaat gtcacttaaa ggctgtggta gtactcctgc   4080
aaaattttat agctcagttt atccaaggtg taactctaat tcccatttttg caaaatttcc   4140
agtacctttg tcacaatcct aacacattat cgggagcagt gtcttccata atgtataaag   4200
aacaaggtag ttttttaccta ccacagtgtc tgtatcggag acagtgatct ccatatgtta   4260
cactaagggt gtaagtaatt atcgggaaca gtgtttccca taattttctt catgcaatga   4320
catcttcaaa gcttgaagat cgttagtatc taacatgtat cccaactcct ataattccct   4380
atcttttagt tttagttgca gaaacatttt gtggtcatta agcattgggt gggtaaattc   4440
aaccactgta aaatgaaaat actacaaaat ttgaaattta gcttgggttt ttgttacctt   4500
tatggtttct ccaggtcctc tacttaatga gatagtagca tacatttata atgtttgcta   4560
ttgacaagtc attttaactt tatcacatta tttgcatgtt acctcctata aacttagtgc   4620
ggacaagttt taatccagaa ttgacctttt gacttaaagc agagggactt tgtatagaag   4680
gtttgggggc tgtgggggaag gagagtcccc tgaaggtctg acacgtctgc ctacccattc   4740
gtggtgatca attaaatgta ggtatgaata agttcgaagc tccgtgagtg aaccatcatt   4800
```

7140

```
ataaacgtga tgatcagctg tttgtcatag ggcagttgga aacggcctcc tagggaaaag   4860
ttcatagg
gt ctcttcaggt tcttagtgtc acttacctag atttacagcc tcacttgaat   4920
gtgtcactac tcacagtctc tttaatcttc agttttatct ttaatctcct cttttatctt   4980
ggactgacat ttagcgtagc taagtgaaaa ggtcatagct gagattcctg gttcgggtgt   5040
tacgcacacg tacttaaatg aaagcatgtg gcatgttcat cgtataacac aatatgaata   5100
cagggcatgc attttgcagc agtgagtctc ttcagaaaac ccttttctac agttagggtt   5160
gagttacttc ctatcaagcc agtacgtgct aacaggctca atattcctga atgaaatatc   5220
agactagtga caagctcctg gtcttgagat gtcttctcgt taaggagatg ggccttttgg   5280
aggtaaagga taaaatgaat gagttctgtc atgattcact attctagaac ttgcatgacc   5340
tttactgtgt tagctctttg aatgttcttg aaattttaga ctttctttgt aaacaaatga   5400
tatgtcctta tcattgtata aaagctgtta tgtgcaacag tgtggagatt ccttgtctga   5460
tttaataaaa tacttaaaca ctgaaaaaaa aaa                                5493
```

<210> 8559
<211> 1652
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (93)...(557)
<223> similar to gil1872487 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8559
```
ggctgaatca ctcagcagta tagaaacagt gtggtttctc ttctgcagat gaaaatgaat     60
gtgagcaaaa caacggtggc tgcagtgaga tctgtgtgaa cctcaaaaac tcctaccgct    120
gtgagtgtgg ggttggccgt gtgctaagaa gtgatggcaa gacttgtgaa gacgttgaag    180
gatgccacaa taacaatggt ggctgcagcc actcttgcct tggatctgag aaaggctacc    240
agtgtgaatg tccccggggc ctggtgctgt ctgaggataa ccacacttgc caagtccctg    300
tgttgtgcaa atcaaatgcc attgaagtga acatccccag ggagctggtt ggtggcctgg    360
agctcttcct gaccaacacc tcctgccgag gagtgtccaa cggcacccat gtcaacatcc    420
tcttctctct caagacatgt ggtacagtgg tcgatgtggt gaatgacaag attgtggcca    480
gcaacctcgt gacaggtcta cccaagcaga ccccgggggag cagcggggac ttcatcatcc    540
gaaccagcaa gctgctgatc ccggtgacct gcgagtttcc acgcctgtac accatttctg    600
aaggatacgt tcccaacctt cgaaactccc cactggaaat catgagccga aatcatggga    660
tcttcccatt cactctggag atcttcaagg acaatgagtt tgaagagcct taccgggaag    720
ctctgcccac cctcaagctt cgtgactccc tctactttgg cattgagccc gtggtgcacg    780
tgagcggctt ggaaagcttg gtggagagct gctttgccac ccccacctcc aagatcgacg    840
aggtcctgaa atactacctc atccgggatg gctgtgtttc agatgactcg gtaaagcagt    900
acacatcccg ggatcaccta gcaaagcact tccaggtccc tgtcttcaag tttgtgggca    960
aagaccacaa ggaagtgttt ctgcactgcc gggttcttgt ctgtggagtg ttggacgagc   1020
gttcccgctg tgcccagggt tgccaccggc gaatgcgtcg tggggcagga ggagaggact   1080
cagccggtct acagggccag acgctaacag gcggcccgat ccgcatcgac tgggaggact   1140
agttcgtagc catacctcga gtccctgcat tggacggctc tgctctttgg agcttctccc   1200
cccaccgccc tctaagaaca tctgcccaac agctgggttc agacttcaca ctgtgagttc   1260
agactcccag caccaactca ctctgattct ggtccattca gtgggcacag gtcacagcac   1320
tgctgaacaa tgtggcctgg gtggggtttc atctttctag ggttgaaaac taaactgtcc   1380
acccagaaag acactcaccc catttccctc atttctttcc tacacttaaa tacctcgtgt   1440
atggtgcaat cagaccacaa aatcagaagc tgggtataat atttcaagtt acaaacccta   1500
```

7141

```
gaaaaattaa acagttactg aaattatgac ttaaataccc aatgactcct taaatatgta    1560
aattatagtt ataccttgaa atttcaattc aaatgcagac taattatagg gaatttggaa    1620
gtgtatcaat aaaacagtat ataatttaa aa                                   1652
```

<210> 8560
<211> 1521
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1522)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (213)...(1038)
<223> similar to gi984663 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8560
```
ggatccacgt cccacgggcc ggacccgcgg ccgcgttcgg aaatcagcct gagcctgagt      60
accgctaagg ctttaatcac gggtcccgag agccctaagt cttctctttg cttgctgatc     120
tcgtacctta atgtgcaaaa gaatcacgtt gggaactgaa aattcagaat cctgggcctc     180
actcccagag gatctgatct acatgtgtgg agatgcccag gaatctgctt tattctcttt     240
tgtcctccca cctgtccccc catttcggca cctcggtaac ctctgccaaa gtggctgtga     300
atggcgttca gctgcattac cagcagactg gagagggaga tcacgcagtc ctgctacttc     360
ctgggatgtt aggaagtgga gagactgatt ttggacctca gctcaagaac ctcaataaga     420
agctcttcac ggtggtcgcc tgggatcctc gaggctatgg acattccagg cccccagatc     480
gcgatttccc agcagacttt tttgaaaggg atgcaaaaga tgctgttgat ttgatgaagg     540
cgctgaagtt taagaaggtt tctctgctgg ggtggagtga tgggggcata accgcactca     600
ttgctgctgc aaaatatcca tcttacatcc acaagatggt gatctggggc gccaacgcct     660
acgtcactga cgaagacagc atgatatatg agggcatccg agatgtttcc aaatggagtg     720
agagaacaag aaagcctcta gaagccctct atgggtatga ctactttgcc agaacctgtg     780
aaaagtgggt ggatggcata agacagttta aacatctccc agatggtaac atctgccggc     840
acctgctgcc ccgggtccag tgccccgcct tgattgtgca cggtgagaag gatcctctgg     900
tcccacggtt tcatgccgac ttcattcata agcacgtgaa aggctcacgg ctgcatttga     960
tgccagaagg caaacacaac ctgcatttgc gttttgcaga tgaattcaac aagttagcag    1020
aagacttcct acaatgagaa tgcacactcc agtcttggtg gttccttcgt gtggggcttg    1080
atcgtgttgc tgcctgttaa catgatgcct ttgaaactct ccgcctttga aactttctac    1140
ccctcccttc aatcttatcc taaccaaatg agaataatga catattgaaa acagcctcta    1200
ggcttcaggc tgggcacggt ggctcacagc tataatctca gcactttggg aggctgaggt    1260
gggagaattg cctgaagccc aggagttcaa gacccaagnc tgtgcaatat agggagactc    1320
cgggctctac aaaaaaagag ttttttcaaaa ttagccaggc gaagtggcac acatctgtgg    1380
tcccaggtgc tcaggaagct gaggtgggag gatcacttga gcccaattca aagctgcagt    1440
gagctgtaat tgcatcactg cactccaacc tgggcaacag agtaagacct tgtcttaaaa    1500
aaaaataaaa acataaaaaa a                                              1521
```

<210> 8561
<211> 2051
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (26)...(1249)
<223> similar to gi558530 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8561
ctcgttccct aacattaaag agaaaatgct gctatccgtg acttccaggc ccgggatttc   60
gacttttggc tacaatagaa acaacaagaa gccatatgtg tcactggctc agcagatggc   120
accacctagc ccaagcaaca gtacacctaa cagcagtagt ggaagcaatg gaaatgacca   180
gctgagcaaa accaacctat acatccgagg attgcaacca ggcactactg accaagatct   240
tgtcaagctg tgtcagccat atggcaagat tgtttccact aaggccatac tggacaagac   300
cacaaacaaa tgtaaaggct atggctttgt agattttgac agcccttcag cagcacagaa   360
agctgtaaca gcactgaagg ccagcggtgt acaggcacag atggcaaagc aacaggaaca   420
ggaccccaca aatttataca tctcaaacct cccactgtca atggatgagc aggaactgga   480
ggggatgctg aagccctttg gccagggtat ctccacccgt atccttcgag ataccactgg   540
gaccagcaga ggtgttggct ttgcaaggat ggagttcaca gagaagtgtg aagccatcat   600
cacccacttt aatggaaaat atattaagac accccctgga gtaccagccc catccgatcc   660
cttgctttgc aaatttgctg atggcgggcc aaagaaacga cagaaccaag gaaaatttgt   720
gcaaaatgga cgggcttggc caaggaatgc agacatgggc gtcatggcct tgacctatga   780
ccccaccaca gctcttcaga atgggttta cccagccccc tataacatca cccccaacag   840
gatgcttgct cagtctgcac tctccccata cctttcctct cctgtgtctt cgtatcagag   900
agtgactcag acatctcctc tacaagtacc taacccatcc tggatgcacc accattcata   960
cctcatgcag ccttcaggtt cagttctgac accaggggatg gaccatccca tttctctcca   1020
gcctgcctcc atgatgggac cccttaccca gcaactgggc catctctccc tcagcagcac   1080
aggcacgtat atgccgacgg ctgcagctat gcaaggagct tacatctccc agtacacccc   1140
tgtgccttct tccagtgttt cagtcgagga gagcagcggc caacagaacc aagtggcagt   1200
ggacgcaccc tcagagcatg gggtctattc tttccagttc aacaagtaac agtgggattc   1260
ccctccccat ctttactgaa tagaaatgaa ttcttggaga tactcatgct cccagattcc   1320
agagggttaa ccaggaatgg agaccatccg tcggccctgc taaggactaa cacttagcca   1380
tcgtttttca caggcctggg cctggaaaaa gaaatctcta cgttcctgcc ctttactatt   1440
gctgatggag cctgggggaa ccatcacttt ttttgtgtgc tacattcaag gagatcaaaa   1500
aaactttct tcttttgcaa agaaagcttt ttgttttttaa ctgcaacgta cttttcccct   1560
accttgaaga gacatggtgg tcgtagcttc tcatctatat gaaaaagttt tcgatgtatt   1620
ggaattattt gggaatgctt ttaaaacaat ttgtaattat ttctttacaa accaaaacag   1680
aacagaaagg tgtggtgctg gaacatcgat gaaggagccc tacttactga gcttagttat   1740
ggacttttt gatgcgtgtg tgtatgtgtt ttaaaaagta tgcaggctct aaaaatgtta   1800
ttttgtaaag ctctcagctc atgcacccca tctcctcttc acccatatta tgccttcttt   1860
ctcttgtcca gattcttctt tttctctttt ctaaacagct gagcctgcct actttgccct   1920
tttacagctt ttaatttat ggatttttaa aatgaaattt catgtggaat ttggggctgg   1980
ggggctcgct ctgcaccgcc cttttggtt ttttttaga caaactcccc cccccggat   2040
ttttagtccc g   2051

```
<210> 8562
<211> 563
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (289)...(459)
<223> similar to gi1513230 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




<400> 8562
cggacgcgtg gggcaatata tacactatta tatacccaca aaaaataaaa ataaaggctg      60
ggtgccatgg ctcacacctg taatcccacc acttcaggag gcctgaggtc gggagtttga     120
gaccaacctg gccaacatgg agaaaccacg tctctactga aaatacaaaa tcagctgggc     180
atggtggtac atgcctataa tcccagctac tcgggaggct gaggcaggac aatcgcctga     240
accctggagg tggaggctac ggtgagccga gatcgtgctg agagcaagat gggtcaccag     300
cagctgtact ggagccaccc gcgaaaattc ggccagggtt ctcgctcttg tcgtgtctgt     360
tcaaaccggc acggtctgat ccggaaatat ggcctcaata tgtgccgcca gtgtttccgt     420
cagtacgcga aggatatcgg tttcattaag ttggactaaa tgctcttcct tcagaggatt     480
atccggggca tctactcaat gaaaaaccat gataattctt tgtatataaa ataaacattt     540
gaaaaaaccc ttcaaaaaaa aaa                                             563




<210> 8563
<211> 1795
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (120)...(1096)
<223> similar to gi971270 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




<400> 8563
gcggacgcgt ggggaaccgg aagaagagga actgggcctg aaagggtacc ggtgaccgct      60
actgctgccg gtgtttgcgt gtggcaggga gccaggcctg gcgagcgggg tgtgtcgcga     120
tgccggagct ggcagtgcag aaggtggtgg tccaccccct ggtgctgctc agtgtggtgg     180
atcatttcaa ccgaatcggc aaggttggaa accagaagcg tgttgttggt gtgcttttgg     240
ggtcatggca aaagaaagta cttgatgtat cgaacagttt tgcagttcct tttgatgaag     300
atgacaaaga cgattctgta tggttttttag accatgatta tttggaaaac atgtatggaa     360
tgtttaagaa agtcaatgcc agggaaagaa tagttggctg gtaccacaca ggccctaaac     420
tacacaagaa tgacattgcc atcaacgaac tcatgaaaag atactgtcct aattccgtat     480
tggtcatcat tgatgtgaag ccgaaggacc tagggctgcc tacagaagcg tacatttcag     540
tggaagaagt ccatgatgat ggaactccaa cctcgaaaac atttgaacac gtgaccagtg     600
aaattggagc agaggaagct gaggaagttg gagttgaaca cttgttacga gatatcaaag     660
acacgacggt gggcactctg tcccagcgga tcacaaacca ggtccatggt ttgaagggac     720
```

```
tgaactccaa gcttctggat atcaggagct acctggaaaa agtcgccaca ggcaagctgc      780
ccatcaacca ccagatcatc taccagctgc aggacgtctt caacctgctg ccagatgtca      840
gcctgcagga gttcgtcaag gccttttacc tgaagaccaa tgaccagatg gtggtagtgt      900
acttggcctc gctgatccgt tccgtggtcg ccctgcacaa cctcatcaac aacaagattg      960
ccaaccggga tgcagagaag aaagaagggc aggagaaaga agagagcaaa aaggatagga     1020
aagaggacaa ggagaaagat aaagataagg aaaagagtga tgtaaagaaa gaggagaaaa     1080
aggagaaaaa gtaaaacatg tattaaatag cttttttaat ttgtaaatta aaatcttaca     1140
aactaaatca gtgtgctgct agagggttct ttttcacttg acatgcttat tagaaagctg     1200
acccaacaag agctctctgc ctccggtcac tcttgctgtg gtgctacgtg gaagtgaatg     1260
gagactgatc tcaaatctga actgcagctt tcggctgcct gtgaagttgg gggatatgga     1320
tagtccagct caggcttcca gattgtatga gaaaaatgaa gagaagtcaa ccaaatattt     1380
tgggtactct tcattcattt atctctagaa ccaggagttg aattttcctc catcttgaaa     1440
gactcctggg ggtctgtttc tgggtatttt acaaaattgc taagtggaat gcatgaattg     1500
cattatgttc tttggtaaca cggtagagtt cagacccttc tgaactctgt tgataatacc     1560
acaccatgtt ctggacccat agctctggca tcctcagggg ttgtgatcca gctccatata     1620
ttgtttacct tcaaagatac aatttaaatg gctttgattt ttaagctgtg ttctagtcgt     1680
ttttgacttc gggagtagtg atctgtagtt tccagaagca gccaagacag tcttcgattg     1740
gagctgcctt aagttctctt gcacttggta tcatttatga aagagcatct cattc          1795
```

<210> 8564
<211> 2618
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (70)...(870)
<223> similar to gi1203982 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8564
```
tcagtgcgct ggaattcccg cgcggagacg cggagctcgc ccaccgcccg ccccagcagt       60
ggctgcacca tgcacgtgaa cggcaaagtg gcgctggtga ccggcgcggc tcagggcata      120
ggcagagcct ttgcagaggc gctgctgctt aagggcgcca aggtagcgct ggtggattgg      180
aatcttgaag caggtgtaca gtgtaaagct gccctggatg agcagtttga acctcagaag      240
actctgttca tccagtgcga tgtggctgac cagcaacaac tgagagacac ttttagaaaa      300
gttgtagacc actttggaag actggacatt ttggtcaata atgctggagt gaataatgag      360
aaaaactggg aaaaaactct gcaaattaat ttggtttctg ttatcagtgg aacctatctt      420
ggtttggatt acatgagtaa gcaaaatgga ggtgaaggcg gcatcattat caatatgtca      480
tctttagcag gactcatgcc cgttgcacag cagccggttt attgtgcttc aaagcatggc      540
atagttggat tcacacgctc agcagcgttg gctgctaatc ttatgaacag tggtgtgaga      600
ctgaatgcca tttgtccagg ctttgttaac acagccatcc ttgaatcaat tgaaaaagaa      660
gaaacatgg gacaatatat agaatataag gatcatatca aggatatgat taaatactat      720
ggaattttgg acccaccatt gattgccaat ggattgataa cactcattga agatgatgct      780
ttaaatggtg ctattatgaa gatcacaact tctaagggaa ttcattttca agactatgat      840
acaactccat ttcaagcaaa aacccaatga acagcttatg tgttagccat agctgaaaat      900
aagcacaaat agcttatatt cagatcctat cttcatttga atatagcttt taaatgaaat      960
gttacagttt gaagttttcc ttcatgcact tggtgataaa cgttttctaa atttttagtt     1020
aagtatatgg ataaaaagtt atgaactatt aaaaatgtga tgtggaccaa aggctaggtt     1080
gtaatcttga tagtctaaaa aatgatcaaa acaaatgatt ttcaggaat attcaatatt     1140
```

```
ctgcctttca gaaagtgtat ttatatctgt gcttcataaa tattaatgtt cttcagaaca      1200
tcattttaaa ggagatactt gaattgttat ttaaatcaaa ccagatgtaa aacactcaca      1260
tacaagttca tactttaaaa gaggaaagct acttaacaat gacaaatatt tcacaataat      1320
aatttttact tatataccat ctttcaactg aacatttcag ttcttccaag agcttcttag      1380
agtagtatat tttggggggca gtcaaggaat aaactacagt gtaaacatat cccagatgaa      1440
aactgctgta tggaaaaatg acagaaagta actgattgac actgttgatt cacagttcag      1500
cctcctatct gggaaagaca tttctttcct ctgctcactt taagaacttt taccgactcc      1560
aaaaatctca ggaattaaac ttttaacagt tacagcaata aagaatagtt agtactccaa      1620
aaatattata tttaagatgc tcaacaagaa aaaaatgcaa atgtaatatt tttttcaaat      1680
tacttcttta ttgacttgtc caaatttcaa aagtgcctac ccttcaataa aacttttta      1740
ttctgatctc cataaattac ttagtcttct atgtatagct atcaaggaaa taaaaccaat      1800
tttgccacag ccacaactgt aaatgttttt gtacccatgc tgaaactcat aacaacacag      1860
acataaaaat agctgtgagg ttttgctttt tttgttgtca gctatcttaa gaatcattaa      1920
atacacctgc tttgggtaaa actctttgca agcagtaatt aacactagta acagtgaaag      1980
cacaagattt ccaaatcagt cgttttctca aaaaaatatc cgtataagtg acctcatcct      2040
ggtcctgcct aactcccaga ccctccccag cttgaagccc aaatctttcc cctgtgagat      2100
tgatatggat ttccctagaa gtactggcaa tgttgtcata tcttgcccta ttttaattct      2160
gctatagaaa acaattgcct tcactttcaa ggagtaattt gaatattaat aactctggtc      2220
tagattttca tataatgtat taaagacaaa gtagtgaaca tcaatgaaca tctgatagag      2280
ataaactgta atcaggcata agcttgtttg tatgttctgg cagtgactaa tcagtaaatg      2340
atgtcggttt gcccagtatc acttatcttc tgtatttttc ctctgtcgtg taaatagtat      2400
aaccttttca tttatggaca attttttgga ctagtagcct tcaatataca ttctgctttg      2460
aattaatttt ttcaaatcaa taaattatgt agacatttaa aatcaaatat caagtagaat      2520
tgaaaaatgt gagttacata agttaaaaac ttactttaaa tcttaccttc tataggtagc      2580
tctaaataaa ttcatatggt tatatgataa aaaaaaaa                              2618
```

```
        <210> 8565
        <211> 1663
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (188)...(891)
        <223> similar to gi4309949 in the genepept database release 114,
          Run with FASTXY 3.3t00, default parameters
```

```
        <400> 8565
gggcgcgttg tccgctggac tgggtcccgg tcacgccccg ccaagccccg cccctcaggc        60
cggggcgcga ccggggatcc gcagttcccg ggccagcctg gggcggccgg ccaggaacca       120
cccgttaagg tgtcttctct ttaggggatgg tgaggttgga aaaaggctcc tgtaaccctc       180
ctccaggatg aaccacctgc cagaagacat ggagaacgct ctcaccggga gccagagctc       240
ccatgcttct ctgcgcaata tccattccat caaccccaca caactcatgg ccaggattga       300
gtcctatgaa ggaagggaaa agaaaggcat atctgatgtc aggaggactt tctgtttgtt       360
tgtcaccttt gacctcttat tcgtaacatt actgtggata atagagttaa atgtgaatgg       420
aggcattgag aacacattag agaaggaggt gatgcagtat gactactatt cttcatattt       480
tgatatattt cttctggcag ttttttcgatt taaagtgtta atacttgcat atgctgtgtg       540
cagactgcgc cattggtggg caatagcgtt gacaacggca gtgaccagtg ccttttttact       600
agcaaaagtg atcctttcga agctttttctc tcaagggggct tttggctatg tgctgcccat       660
catttcattc atccttgcct ggattgagac gtggttcctg gatttcaaag tgttacctca       720
```


                                     7146

```
agaagcagaa gaagaaaaca gactcctgat agttcaggat gcttcagaga gggcagcact      780
tatacctggt ggtctttctg atggtcagtt ttattcccct cctgaatccg aagcaggatc      840
tgaagaagct gaagaaaaac aggacagtga gaaaccactt ttagaactat gagtactact      900
tttgttaaat gtgaaaaacc ctcacagaaa gtcatcgagg caaaaagagg caggcagtgg      960
agtctccctg tcgacagtaa agttgaaatg gtgacgtcca ctgctggctt tattgaacag     1020
ctaataaaga tttatttatt gtaatacctc acagacgttg taccatatcc atgcacattt     1080
agttgcctgc ctgtggctgg taaggtaatg tcatgattca tcctctcttc agtgagactg     1140
agcctgatgt gttaacaaat aggtgaagaa agtcttgtgc tgtattccta atcaaaagac     1200
ttaatatatt gaagtaacac ttttttagta agcaagatac ctttttattt caattcacag     1260
aatggaattt ttttgtttca tgtctcagat ttattttgta tttctttttt aacactctac     1320
atttcccttg tttttaact catgcacatg tgctctttgt acagttttaa aaagtgtaat     1380
aaaatctgac atgtcaatgt ggctagtttt attttcttg ttttgcatta tgtgtatggc     1440
ctgaagtgtt ggacttgcaa aaggggaaga aaggaattgc gaatacatgt aaaatgtcac     1500
cagacatttg tattattttt atcatgaaat catgtttttc tctgattgtt ctgaaatgtt     1560
ctaaatactc ttattttgaa tgcacaaaat gacttaaacc attcatatca tgtttccttt     1620
gcgttcagcc aatttcaatt aaaatgaact aaattataaa aaa                       1663
```

<210> 8566
<211> 1561
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1437)...(854)
<223> similar to gi2511529 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8566
```
ttttttttt ttgaaggatt tggcaaagat ttatttttt ttccatttcc agttttttaa      60
agtagacaca gatttgctta gaataaagct gattttaaaa gcacacaaaa gttgaacaca     120
aaggagagga ttaaattcac caatgcagag tgataaagag gaaaagatac tgagtaggtg     180
ccttcagcag aaaactgatc atccaggtg atcacctaat aatcggagac ttaattcctt      240
ataatgcaaa agcaagaaga gtttagtgta tgaactgtac agctgagttt gtagctctat      300
cttggtttct gttgattatg aacaattagc atagttatat ataatctttc tttagtagac     360
aacctgcatc catttaaatt aaataatact ttctacaata gtgtgatata taaggccaca     420
atatttattt tggacaaacc ccttaaagta gcgattttat tatcaatgtt attcattctt     480
ttgaaatata aagtacttca gctgaattaa ggttgcagat aatttttaaa atacaacaca     540
catcatgact agtatattaa aattatttat attcagatat ttatatctaa tatcaaatga     600
aaatttacta ccaaattttc acagtagaca ttaatcagtc tgacatgctt attgatccca     660
taggtgtaat tatagatcaa catgattta gtgtctattc ttttatttta ctaaattagg     720
aacgcagcat ttacagaaca aataaacaca agtgacgtgg ccaccccagg atctaacagc     780
tcttcagtga gctatgttgc aagctcagaa gtaatccact aacgaaccaa gtcagactcc     840
agttcttcat caaaaggtgc tggtggaggt tgtcagacgc cttccaatat agatccccaa     900
tccgatggcc agcaaatgag agagcagcag agatggaagg aaaactttca gaaattctgc     960
agagaatatg ccccctttct tcatgacgct cgtgttcctc atgctgaggg tggccgtgcg    1020
cttcgggtgt ttaaagagga actccttggg gggaatattt tccggccgac ttgaccaatc    1080
ccatatccaa tctgagtttt tcttcaagat gctttcaact tctttccttc tttcaatatc    1140
atcttcctca gactgtgagc tgttttctc tccaatgcta tgggtatctg tttcagaagc    1200
tctgttggta tcttgtggtg tctgcgagcg aggtgggctg tcacagtgag agctcttgga    1260
```

                                     7147

```
gctactccgt ccagactcat gctgtgcgtc cagcagtatt ttttccatgt ctccattata    1320
aatagaaacc gaggctggaa cgctgccccc gttcccatta ttgctgaagt gcagttctac    1380
ccaggagccc tgcaggctct cctcctgcat cccgggcgct ccgttctgcg acatggcgcc    1440
agagggcaac tgcggcgatc ggagtccgcg ccgggctgcg ggatgtgctt cagctgcggg    1500
cggtgggaaa gcggaggtcg gagcgccgcg gcccagctgc gctcccggac tgagcggagc    1560
c                                                                    1561
```

```
<210> 8567
<211> 3128
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1821)...(2783)
<223> similar to gi496898 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 8567
agcggccgcc cttttttttt tttttttcatt tcattcaaga gaattaaatc gtttattgat      60
tacacatgat aatggataca caagcttcat tcccatctat aattttatct ggtaccatta     120
ttcaatttag atatattgca taggatgtgc caacaatcac ttttataacc attccatgat     180
tttgcttggg taatcccttt taatggtgaa cttcaggtca caacagtaac tatcagttca     240
actacaccaa ggtttccgaa gacaatggct tctccaccca agcaggttgt atataaattc     300
caaatagaac ctggcatcac cctgaaggaa ttctaacttc acactgttgg ggaaatttac     360
caagatggct taagagtaga ctaactttac acagcacatt aaaaaaaaga catttattca     420
gcgtcacgat cagactgtta catttagcaa tcaacagcat ggggtgcaaa aaaaaaaat     480
ctacattaaa acccttttgtt ggaatgcttt acactttcca cagaacagaa actaaaataa     540
cctgttatac aattagtcac aaatacagtc ctcgagtttt ttgcccatac acatgagtat     600
ttgtctaaaa catgtcttct ttgtagcagc taggccctgc caccactgtg cttggctgag     660
ttcacaaatc tgttgtaacc tgtagcttcc ctgtcacttc tctggctctc ctctcctgct     720
aagctttgtt tcctaattaa aatcttctgc cactgccata gctactgctg ctgctggaac     780
cgccatagcc accttggttt cgtggttttg caaagtattg gcctccaccg ccataggggc     840
cagagcttct gcctccaaaa tttcctccct tcatgggtcc aaaatttgaa gactgattgt     900
tgtaattccc aaaatcattg tagcttccac cacctccaaa attgcttcca tcattaccaa     960
atccattata gccatcccca ctgccaccat atccaccacc caccacgggt ggcacccaaa    1020
gccaaccaag gaccaactga agtttcctcc acggaccgaa gttgtccatt cccaccgaaa    1080
accacctccc acgacccacc accaaaagtt tccaagaacc acttcgaccc tcctttgggc    1140
tggatgaaag cactagccat ctcttgcctt tgaacagggc ttttctaaac ttcacaggtt    1200
gtggcccatt cacagtatgg taattcctga aatggacaat cttatcccac ggagtccatg    1260
gtccgtccaa aggttacaaa aggcaaagcc cctttttctt ggccactggc ctccggtcca    1320
gtcaatggat ttcaatcaac ttcaaatttt tccaatactt gttcaaaata atctcttagg    1380
tgaatgttct ttcaggggtc ttctttaatg ccaaccaaac aaaatatctt ttttcacaag    1440
ttaatgtggg cacctgggtc ttttgagaaa tcttcctctg gaagacaagc tcctctttgg    1500
gttcccacaa ctccttacca tcccaccttt gtgtggcctt tgcattcata gctgcatcca    1560
cctcctccac acgtggcata tgtgacaaac ccaaagcccc ttggagcgct tggtggtttg    1620
ggatctctca ttaccacaca ggtccgtgda gcgtttcccc cattgcctcg aaaatggctc    1680
ctcagggctc tcatcatgtt gtttcaaagc tcraaccctc mgaatgaaga gcttcctcag    1740
ctgttcgggg ctctttagga gactctgccc gtggacgccg ccgaagaagc atcgttaaag    1800
tctctcttca ccctgccgtc atgtctaagt cagagtctcc taaagagccc gaacagctga    1860
```

```
ggaagctctt cattggaggg ttgagctttg aaacaactga tgagagcctg aggagccatt    1920
ttgagcaatg gggaacgctc acggactgtg tggtaatgag agatccaaac accaagcgct    1980
ccagggcctt tgggtttgtc acatatgcca ctgtggagga ggtggatgca gctatgaatg    2040
caaggccaca caaggtggat ggaagagttg tggaaccaaa gagagctgtc tccagagaag    2100
attctcaaag accaggtgcc cacttaactg tgaaaaagat atttgttggt ggcattaaag    2160
aagacactga agaacatcac ctaagagatt attttgaaca gtatggaaaa attgaagtga    2220
ttgaaatcat gactgaccga ggcagtggca agaaaagggg ctttgccttt gtaacctttg    2280
acgaccatga ctccgtggat aagattgtca ttcagaaata ccatactgtg aatggccaca    2340
actgtgaagt tagaaaagcc ctgtcaaagc aagagatggc tagtgcttca tccagccaaa    2400
gaggtcgaag tggttctgga aactttggtg gtggtcgtgg aggtggtttc ggtgggaatg    2460
acaacttcgg tcgtggagga aacttcagtg gtcgtggtgg ctttggtggc agccgtggtg    2520
gtggtggata tggtggcagt ggggatggct ataatggatt tggtaatgat ggaagcaatt    2580
ttggaggtgg tggaagctac aatgattttg ggaattacaa caatcagtct tcaaattttg    2640
gacccatgaa gggaggaaat tttggaggca gaagctctgg cccctatggc ggtggaggcc    2700
aatactttgc aaaaccacga aaccaaggtg gctatggcgg ttccagcagc agcagtagct    2760
atggcagtgg cagaagattt taattaggaa acaaagctta gcaggagagg agagccagag    2820
aagtgacagg gaagctacag gttacaacag atttgtgaac tcagccaagc acagtggtgg    2880
cagggcctag ctgctacaaa gaagacatgt tttagacaaa tactcatgtg tatgggcaaa    2940
aaactcgagg actgtatttg tgactaattg tataacaggt tattttagtt tctgttctgt    3000
ggaaagtgta aagcattcca acaaagggtt ttaatgtaga ttttttttttt tgcccccccat   3060
gctgttgatt gctaaatgta acagtctgat cgtgacgctg aataaatgtc tttttttttaa   3120
aaaaaaaa                                                             3128
```

<210> 8568
<211> 591
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (95)...(248)
<223> similar to gi4102195 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

    <400> 8568

```
gggacgggcc agcggtgcac aagaagagac cgaggcgggt ggccccgaga gagccagggc     60
catggaggcc aacatgccga agcggaagga gcctggcagg tctctccgca tcaaagtcat    120
ctccatgggc aacgccgaag tggggaaaag ctgtattata aagcgatact gtgagaaaag    180
atttgtgtct aaatacctgg caacaattgg aattgactat ggagtcacaa aggtacacgt    240
cagagacaga gaaatcaaag ttaacatctt tgatatggct ggacatccct tcttctatga    300
ggtaagaaag cctttttgac aaaacctata tccagtattg ttggtggttt ggggagagat    360
ccagaattat atgaaacaac caatattgat atcatgtgta aaattgcata attttagctt    420
gatcgtggct tgccttcaga gccttgagtt aatagacaac tgttgatttt ttaggttatc    480
ctgttaaata gtggtaggaa atttcattgc caatatttca aacatttcaa taagacattt    540
tgactttcag aggacttttg cttttttacct catactttag cctaaaatgt g            591
```

```
<210> 8569
<211> 664
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (573)...(131)
<223> similar to gi1596163 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




    <400> 8569
tttttttttt ttggaggagg gggtaattta tttaatttgt tgactctggc ttacaatttt       60
gtcttctgtt tccatatctg ggtcattaga agccccttca atcccatcat cccttttccc      120
ttcaaatcag ggcaactcag agatagcttt cttggctggg gggcctgttg gcttttcctt      180
ttctctcgct ttttcctcat acatcaggat catttttagg atggcagatc tcttgcccag      240
catcatcctg agaaagtcag ggtagctgaa cgtctccccg gagccactgg acacctctcc      300
aattaatttc tttagctcta ggtgagtctt ggggactcca agtttctcca gcattcgttt      360
cagggacatg atatcaatat cgccatttcc attaaggtca aactccatgt atttctcttt      420
gaagccttcc agtttggagg gcagatcctc atcactgcta tatttgggat cgtctaggaa      480
ttgcttgttg atctcatcca gcctctcttc ctgctgggcc ttcagcagtc cgaaagcttt      540
tcctccctgt aaatccctgg tttggctcat agctcagcag atgctggtag aggtggggag      600
acagaccaag ctggaggcct ctgtctgcag gctctccttc tctcccacca gtcttctcag      660
aagc                                                                   664




    <210> 8570
    <211> 834
    <212> DNA
    <213> Homo sapiens

    <220>
    <221> misc_feature
    <222> (155)...(557)
    <223> similar to gi455523 in the genepept database release 114,
          Run with FASTXY 3.3t00, default parameters




    <400> 8570
gggagcgcag cggcttctag gggtgagtgg gacccacgcg gccccacctg ctcctcccgc       60
gcgcggcccc accccctgc cccgccccgc ctggtttata ggtcccggcc cgagcctccg      120
gccgcccgcc gggtttgtcc cgcgatcccc gaccatgccc gccgacctca gcggtacttg      180
gaccctgctc agcagcgaca acttcgaggg ctacatgctg gccctaggta ttgactttgc      240
cactcgtaaa atagccaagt tgctgaagcc acagaaagtg attgagcaga atggggattc      300
ttttaccatc cacacgaaca gcagcctaag gaactacttt gtgaaattta aagttggaga      360
agaaatttgat gaagataaca gaggcctgga caacagaaaa tgcaagagtt tggttatctg      420
ggacaatgac aggctcacct gtatccagaa gggagaaaag aagaacagag gctggaccca      480
ttggatcgaa ggagacaaac tccacctgga aatgttctgt gaaggtcaag tgtgcaaaca      540
gacattccag agagcctgat ccacatccag cagcagagcc cacttgtggc tgcagcttta      600
```

```
tgccaaatta tattgcagac tgaacagacg tttatctatc ccatttggcg acgaggactc      660
gtggctggag agagccacac agcgtgtaac ctgaagtcat ctagattatg gggaaactgc      720
tcagcttcaa taaacctgtc caaatgaaaa aaaaaaaaaa ggggggccg ttttaaagga      780
tccttggagg ggcccaagtt tacgcgggct tgcaaggtta tagttttttc ctta           834
```

        <210> 8571
        <211> 3271
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (421)...(2954)
        <223> similar to gi860937 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters

        <400> 8571
```
cgatttcgtc tgcaaggccc cgggtctccc ctgcgcctgc gcggcgagca gctggcggaa       60
ccggcatctt ctggcgccag cttccggctt agcggctgag cttcaggctt gacgtcagga      120
aaccatcaag atctcatttt acagctggga ttctctggtt cacagaggta acggagcttg      180
cccgaggcca gttaaacgag aagattcatc accgctttga tggctgcctc acaaacttca      240
caaactgttg catctcacgt tccttttgca gatttgtgtt caactttaga acgaatacag      300
aaaagtaaag gacgtgcaga aaaaatcaga cacttcaggg aattttttaga ttcttggaga      360
aaatttcatg atgctcttca taagaaccac aaagatgtca cagactcttt ttatccagca      420
atgagactaa ttcttcctca gctagaaaga gagagaatgg cctatggaat taaagaaact      480
atgcttgcta agctttatat tgagttgctt aatttaccta gagatggaaa agatgccctc      540
aaactttta actacagaac acccactgga actcatggag atgctggaga ctttgcaatg      600
attgcatatt ttgtgttgaa gccaagatgt ttacagaaag gaagtttaac catacagcaa      660
gtaaacgacc ttttagactc aattgccagc aataattctg ctaaaagaaa agacctaata      720
aaaaagagcc ttcttcaact tataactcag agttcagcac ttgagcaaaa gtggcttata      780
cggatgatca taaaggattt aaagcttggt gttaatcagc aaactatctt ttctgttttt      840
cataatgatg ctgctgagtt gcataatgtc actacagatc tggaaaaagt ctgtaggcaa      900
ctgcatgatc cttctgtagg actcagggat atttctatca ctttattttc tgcatttaaa      960
ccaatgctag ctgctattgc agatattgag cacattgaga aggatatgaa acatcagagt     1020
ttctacatag aaaccaagct agatggtgaa cgtatgcaaa tgcacaaaga tggagatgta     1080
tataaatact tctctcgaaa tggatataac tacactgatc agtttggtgc ttctcctact     1140
gaaggttctc ttaccccatt cattcataat gcattcaaag cagatataca aatctgtatt     1200
cttgatggtg agatgatggc ctataatcct aatacacaaa cttttcatgca aaagggaact     1260
aagtttgata ttaaaagaat ggtagaggat tctgatctgc aaacttgtta ttgtgttttt     1320
gatgtattga tggttaataa taaaaagcta gggcatgaga ctctgagaaa gaggtatgag     1380
attcttagta gtatttttac accaattcca ggtagaatag aaatagtgca gaaaacacaa     1440
gctcatacta agaatgaagt aattgatgca ttgaatgaag caatagataa aagagaagag     1500
ggaattatgg taaaacaacc tctatccatc tacaagccag acaaaagagg tgaagggtgg     1560
ttaaaaatta aaccagagta tgtcagtgga ctaatggatg aattggacat tttaattgtt     1620
ggaggatatt ggggtaaagg atcacggggt ggaatgatgt ctcattttct gtgtgcagta     1680
gcagagaagc cccctcctgg tgagaagcca tcggtgtttc atactctctc tcgtgttggg     1740
gctggctgca ccatgaaaga actgtatgat ctgggtttga aattggccaa gtattggaag     1800
cctttttcata gaaaagctcc accaagcagc attttacgtg gaacagagaa gccagaagta     1860
tacattgaac cttgtaattc tgtcattgtt cagattaaag cagcagagat cgtacccagt     1920
gatatgtata aaactggctg caccttgcgt tttccacgaa ttgaaaagat aagagatgac     1980
```

```
aaggagtggc atgagtgcat gaccctggac gacctagaac aacttagggg gaaggcatct    2040
ggtaagctcg catctaaaca cctttatata ggtggtgatg atgaaccaca agaaaaaaag    2100
cggaaagctg ccccaaagat gaagaaagtt attggaatta ttgagcactt aaaagcacct    2160
aaccttacta acgttaacaa aatttctaat atatttgaag atgtagagtt ttgtgttatg    2220
agtggaacag atagccagcc aaagcctgac ctggagaaca gaattgcaga atttggtggt    2280
tatatagtac aaaatccagg cccagacacg tactgtgtaa ttgcagggtc tgagaacatc    2340
agagtgaaaa acataatttt gtcaaataaa catgatgttg tcaagcctgc atggcttttta   2400
gaatgtttta agaccaaaag ctttgtacca tggcagcctc gctttatgat tcatatgtgc    2460
ccatcaacca aagaacattt tgcccgtgaa tatgattgct atggtgatag ttatttcatt    2520
gatacagact tgaaccaact gaaggaagta ttctcaggaa ttaaaaattc taacgagcag    2580
actcctgaag aaatggcttc tctgattgct gatttagaat atcggtattc ctgggattgc    2640
tctcctctca gtatgtttcg acgccacacc gtttatttgg actcgtatgc tgttattaat    2700
gacctgagta ccaaaaatga ggggacaagg ttagctatta aagccttgga gcttcggttt    2760
catggagcaa aagtagtttc ttgtttagct gagggagtgt ctcatgtaat aattggggaa    2820
gatcatagtc gtgttgcaga ttttaaagct tttagaagaa cttttaagag aaagtttaaa    2880
atcctaaaag aaagttgggt aactgattca atagacaagt gtgaattaca agaagaaac    2940
cagtatttga tttaaagcta ggtttcctag tgaggaaagc ctctgatctg gcagactcat    3000
tgcagcaggt ggtaatgata aaatactaaa ctacattta tttttgtatc ttaaaaatct    3060
atgcctaaaa agtatcatta catataggaa aacaataatt ttaacttta aggttgaaaa    3120
gacaatagcc caaagccaag aaagaaaat tatcttgaat gtagtattca atgatttttt    3180
atgatcaagg tgaaataaac agtctaaaga agaggtgttt ttataatatc catatagaaa    3240
tctagaattt ttacttagat actaataaaa t                                   3271




    <210> 8572
    <211> 2948
    <212> DNA
    <213> Homo sapiens

    <220>
    <221> misc_feature
    <222> (500)...(895)
    <223> similar to gi5689172 in the genepept database release 114,
        Run with FASTXY 3.3t00, default parameters




    <400> 8572
cagttcctgc tttcagaagt tgctagagtg tttctctttg aacttgaact gtggctcttt      60
tgatatccag aaagagagtt ctttgggggg atggttaatt cttgtttttgg gtgcttttct    120
tcaccgctct aaggaactac cacagtcaga aggtgcattc ttactgcgat cttttttattt    180
gctaccttgg gcttaaggag cctgcctata tctactgagg tgaggttagg tcagtctctg     240
taaccgttcg tcacttaggc cttgatgggt gacatggatg gggatgactt cctgggctaa    300
ctcttctctt gctaaaggat gattttttcac caccttgaat gcccatgatt aaaacataaa    360
caagaaaata gatatctgag gagaatgcag ttgaaactaa ttttgtggat agagaaactg    420
ttggaactgc tttacaaagt attttaacag cccacctgag gatattgacc ataaggactc    480
atatctcatt acaagaagca tcatggccga gccagactac atagaagatg acaatcctga    540
actcattagg cctcagaaac tgatcaatcc tgtaaaaacc tcccggaacc atcaagatct    600
tcacagagaa cttcttatga atcaaaaaag gggtcttgct cctcagaaca aaccagaatt     660
gcagaaggtg atggaaaaaa gaaaacgaga ccaagtaata aagcagaagg aagaagaagc    720
acagaagaag aaatctgact tggaaataga gctattaaaa cggcagcaga agttggagca    780
gcttgaactt gagaagcaga aattgcaaga agagcaagaa aatgcccccg agtttgtgaa     840
ggtgaaaggc aatctcagga gaacaggcca agaagtcgcc caagcccagg agtcctaggc    900
```

```
tgaggctgca ccaagacctc gtgtgtcacc ccacagagct gtctgtgggt gccttctcaa       960
tctcagggca aaagcccctg gagaatattc cagccagcag agaattttga cttgcagtag      1020
gatttggttt gattttccta cgatctgggt ggatgccttg cctgtgacag ttgcagttcc      1080
tattcgccaa atgaagggca gtgccccgca cgtaagttgg aatgatggac ctgtgttcag      1140
agacttaaca gaaccaacaa gcaaaacaag tgagaacagg aaaaaggaag aggacactgg      1200
aatcaattct tgagagttgc actacttggt ttttcttcca ttccaagttt cgtgggaccc      1260
agagcctttt ttctttt aaa agctaaaaaa caagtgttta attcctcttt ttgttatctg      1320
ttagataatt gagatcacct agaaatgcgt ttaatctgtt cactcactgt aaattttgag      1380
gacccagaat tgtcttgttt aatttatact ttcacccctg ttgcagttaa caccagagaa      1440
ggaacgtgaa tgtcgagcac agccactacc cttgttggca cttaatttag aaatagggtg      1500
agaagtttaa aagcccatct tgattttatt ttcattcctt ttggttctct gtgtaataat      1560
agcaggctac atagtgacat tccagttcca agaaggtaca tcctgtccat tcattaattg      1620
ctttgattac taggagggtt tctgttcagt tttgtttta aatgtcttgc tgatctagtt      1680
ctttcagatg gaataacctt ccagtccctt agagagtgga actagtccat ataacccagc      1740
ttcagtagca aaagtagaag ccgccacatc ttttcatttc tccaagagga gagtggggaa      1800
ggttcccatg accagctggg cagtcaggat ttctctaggc attctaatgt gaaataagtg      1860
tagactgctg tcaaggaggc ttcatcagaa gatgtatagc atttgaatgt ctaatgataa      1920
tgcatatcat tagaatccaa gctttgaaaa tttctgatta atgctcatgt atttctttat      1980
ctttgttttt ccttgtgaag aaagactttc accactgtct gagtgatgat gctgttgata      2040
aggatgatgt cgatgactac tatattgcat ctctcaggaa cagctgatgg gaagggaggg      2100
gctgctgagt tcccttgttc tagctagcag cacgctcctc agagagggggg ccgagttaca      2160
gacagcagcc gcattctcat gcaaaattag ttttaaactg ctagtgtggg catcggtacc      2220
ttttgcctgg gtgataccga agaattgttg aggatttagt atgctccgta gagacagttc      2280
agccagtcat ttctgcattg gagagacttc tcatactttc tttgagtctt caaagaaagt      2340
atgagaagac tcatagaaag ctggatctag agcttttgaa tccttaatta gcacagtaga      2400
aattagcttt ctatgggaat gctttagtgt tagcagttga caattaggcc catattcaat      2460
ctgaatggga acaaaagtaa atgcaatgat aatatactgc tagttagaga aacatgttag      2520
ttgattatac ctgaaatgga ttatttatct catcagcaag tattatttga ataaaatgag      2580
aaatgcttaa gaaaaattgt tgctctatag taatttggtt tcgaagaatg gaatggtaac      2640
tatttttttcc catcgttctt ttgagagaag gaagtgtgat gactgatgat cttgaaaagc      2700
ccatttctga ttgcacgttg actggaattc tttctttgtg tctgtggact agcgatgctg      2760
tttgtaaaat gaagattcgg gactggctca tatctttta tctaactaga tgtcagatct      2820
tgaaatctgt attctcgaag caattctgcc acttgatcgt attcacaggg gccctggtag      2880
gctcctttag aaggaccatt tctgttccta gagcttaact agaattcatt cttcactgaa      2940
aaaaaaaa                                                               2948
```

<210> 8573
<211> 2469
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (269)...(1127)
<223> similar to gi726136 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8573
```
cgacggcgca gcacggtgcg gcgcagctcc tgctcgcctt tcccttcgct gggcgagagg        60
tgtctatggg gcacccgctg ccgccgccgc taccgccacc gccaccgcca ccgccgccga       120
```

```
gtgctgtctc tatggcgagg aggaggagga ggagcgcgag ctcagcgaca caagtacata    180
aataaaggat aaaatatttt atgaaacaaa tcttcaatca agtataacat tttgatgctt    240
ggcatctaga ctcccttgtg ccctcactat gccagcggca actgtagatc atagccaaag    300
aatttgtgaa gtttgggctt gcaacttgga tgaagagatg aagaaaattc gtcaagttat    360
ccgaaaatat aattacgttg ctatggacac cgagtttcca ggtgtggttg caagacccat    420
tggagaattc aggagcaatg ctgactatca ataccaacta ttgcggtgta atgtagactt    480
gttaaagata attcagctag gactgacatt tatgaatgag caaggagaat accctccagg    540
aacttcaact tggcagttta attttaaatt taatttgacg gaggacatgt atgcccagga    600
ctctatagag ctactaacaa catctggtat ccagtttaaa aaacatgagg aggaaggaat    660
tgaaacccag tactttgcag aacttcttat gacttctgga gtggtcctct gtgaaggggt    720
caaatggttg tcatttcata gcggttacga ctttggctac ttaatcaaaa tcctaaccaa    780
ctctaacttg cctgaagaag aacttgactt ctttgagatc cttcgattgt ttttttcctgt    840
catttatgat gtgaagtacc tcatgaagag ctgcaaaaat ctcaaaggtg gattacagga    900
ggtggcagaa cagttagagc tggaacggat aggaccacaa catcaggcag gatctgattc    960
attgctcaca ggaatggcct ttttcaaaat gagagaaatg ttctttgaag atcatattga   1020
tgatgccaaa tattgtggtc atttgtatgg ccttggttct ggttcatcct atgtacagaa   1080
tggcacaggg aatgcatatg aagaggaagc caacaagcag tcatgacatg aaatagtcct   1140
tttattttta tttcgagcta cacacatgct tgtatatagg ttttatctct ggttgaatcc   1200
ctcgaacaat agacagtacc tttccccccc ctttcatggc ccattttatt gtctgccttt   1260
cagtactaag tatgaccgtt cctatctcag atcttaataa aaagaaaaaa aaaaacgcat   1320
tcaggttaaa tttggcctta atttaatata cttgttagca agcgtgtgtg acagagagtg   1380
gggaaagcta catcattgaa tattttgata aactttaccg acttgagttt ggtttatttt   1440
tcccttttcc taaattaact agcactgact gtaatttatt tccctgtttc acgtctctcc   1500
cttccattct gcaggagttt tagctatttg agatcgtgga ccatcagttt tgcactttag   1560
agagtgtttc tgactctaaa cctgttttat cagaaaattt gttttttctt gatcttagct   1620
ggaaaaatct gccaacttta cacagtattt acttggtttt gacccacaga atatagcacg   1680
ttgtgcaaac tgtcgattca gcgaaactta aaaaagacaa gaaactactg aggagcttag   1740
taactgctgg tttctgtacg tagtgtttaa tcttccaagc acatctagtg tctgtcagtt   1800
tctaattggc atgtgtaggc tgctctgtga ctgaagaatt ttcaaaccag ctttacaccc   1860
ttcaggaaaa atcccttgtg attggatgtt tactatctgc caggaaactg gtactcaaga   1920
tgttgaagct acagttattt tatgatagca cacttccctt gatctgctta tttttattcc   1980
atcaccattt accctttttt tttttaaat tttgaagcca ttcttatgat gctcttgatt   2040
ggtgggttac acaaatcaat tttattaaaa atccaaagat aagtctttag gtatattttg   2100
tcccaaatta aattaaaaaa caaaaatggg gctttcatag ttgctacaaa ggtaaataat   2160
ggagagattt ggtccaaacc accaaaatat atatatattc tcatatatat atatatagct   2220
gataaaatta cctggggagt gtaatgctta ttttttgtgt tatatctttg caacctattt   2280
tatatatatt gacaaaagag actgtgaaat acttaggcca tgcagaatat gtgaccagac   2340
cggagcatgt gtaggaagac tttacagtaa tcattaactc taccccgaaa tgatggacta   2400
caagttataa tgtgtgttac ctacacttca atcagtaata ttagcaaatc tccaaatgtt   2460
agtcacatt                                                           2469
```

<400> 8574
```
gcggccgcca ttggctgggt tcggcgcagc taacagacgg cggcagtgcg agaaagccga   60
agatggcggt ccccgcggcg ctgatcctac gggagagccc cagcatgaag aaagcagtgt  120
cactgataaa tgcaatagat acaggaagat ttccacggtt gctcactcgg attcttcaaa  180
aacttcacct gaaggctgag agcagtttca gtgaagaaga ggaagaaaaa cttcaagcgg  240
cattttctct agagaaacaa gatcttcacc tagttcttga aacaatatca tttattttag  300
aacaggcagt gtatcacaat gtgaagccag cagctttgca gcagcaatta gagaacattc  360
atcttagaca agacaaagct gaagcatttg tcaatacttg gtcttctatg ggtcaagaaa  420
cagttgaaaa gttccggcag agaattctgg ctccctgtaa gctagagact gttggatggc  480
agcttaacct tcagatggct cactctgctc aagcaaaact aaaatctcct caagctgtgt  540
tacaactcgg agtgaacaat gaagattcaa agagcctgga gaaagttctt gtggaattca  600
gtcacaagga gttgtttgat ttctataaca agctagagac tatacaagca cagctggatt  660
cccttacatg atgttttcga agactgtttt tttcatcacg ctcctgccac ctcattattt  720
tgcattgaag atacattgcc aggttgtgtt ttctgaagga ttcagtgact tgctttctgt  780
aaattatatg gcttatcact tcttagacaa ataacaacca atagagatca ttgttaagaa  840
tactgaggtt ctaatatact ttctttagtt ctgtgagcca acagtaatta ttaagaacac  900
tttcccttta aaggaaacaa aagtgaatac catattgttt ttactgtcat agtgttgctt  960
tcttgcctgt cctgcttagt ttttacttgc tggatgatac cataatgtat caaggagcgt 1020
ccatggatac aagatagat gtgtacctta gtagaataca gagctttggt aattacatga 1080
ataaaattaa gaaaatagcc atatacaatc aaatacacta tggcatttt atttgaatat 1140
gatgagtata ttttgcttcg gaaataatat aggaaggaaa tgtaaaatag tgagtagtat 1200
ggtatcagtt aattccagtc tgagcttctc tgtcaacttc agtttctctc tcagtttaat 1260
gatttaataa tagtccaggt ttttgtgtgt ttttctttat actgcaagtt aataatgatt 1320
cactttatag tttgggagac agaatcaggt cttgaataaa ataattgtaa tgagtgctaa 1380
atgggcacca ttattcgaat caaatacctt ttatattctc tttccataaa tacgttgatt 1440
tctgtcaata aaatttttgt gtcttagaaa aaaaaaa              1477
```

<210> 8575
<211> 1231
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1205)...(313)
<223> similar to gi3402830 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8575
```
tttttttttt ttagcacttg gttattttat ttcctcaaaa ataaaacaga aaggaggcgg   60
ggccccagct cagcaccagg tgggcagctc ggagttgtgg cctccctcct ccagggctcg  120
cctccgcctt tcctcccgcc cctactggca gccaacaagt caacggaatt cctggccttt  180
gagatgtcac cccaaatgcc acctgagttg agtgaagaaa cactctcttg gtgaaagcag  240
aagcggagct accaggccag gcattgctgg tggccggcat cacctgagct cgcctgtgtc  300
ctgcccagct tcagtgggtc ttcccccggc cctctgagat gacatcctcg ggccgggcgc  360
gcatgtacca ctccacccag gagccatcgt agatgggcac gtctggcttg ccgcagaggt  420
aggcccctag tgccacgtgg caggctgtga cgccagagcc acacgtggcc accagtggct  480
tagacaggtc cactttcttc tcctggaaca gatggcggat ctcctcaggg ctcttctcca  540
```

```
gcccctcctg gctcaggaag tctgtgaagg ggatgttcac ggtacctggg atgtggccag      600
gttcaatgcc gtctcggggc tcgggctcgg tgccgcggaa cctgccagtg gctcgggagt      660
ccaccacctg gaagcgccgg gattccaggt tctccttgat gtcctcgtag gtcttgatga      720
aggcggggtc gagctgagcg cggaactcgg cgggagcagg ttggctcttg ccggagctga      780
gcgggaggtt ctggcgcagc cagtggcgga ggccgccatc aagcagtgac acggcgtggt      840
ggccgaaggc gcggaacatc caccagacgc gcggggcgga gtagaggccc tggtcgctgg      900
cgtcgtagat cacgacgtgg gtggccgcgc ccacgcccag gcggcctgcg tactccgcga      960
aatgctcggc cccgggcagc atgtggtcgt agggcgaggt gcggtcgctg cactggtcga     1020
tgtcgaagaa agcggcgccc gggatgtggc gctcctcgaa ctcgcgtcgc gcgtcgcgcc     1080
ccagcttcgg caggtaccag gaggcgtcca gcagctgcag aggctgccca gcgcgcgggg     1140
cccgcagcgc ctccgccacc cattgcgccg acaccagcgc gcggcagagc tgcggcgaag     1200
ccatggcggc gacactcggg ctgcgggcct g                                    1231
```

<210> 8576
<211> 1357
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1271)...(853)
<223> similar to gi4510425 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8576
```
ctttaaagag accaaaactt tcaaccaaaa aaaacacata tttttataaa gaaagataaa       60
agaaagtctc ataatcatga ttctgtatgc tactcaggca ttgaaaaggt accctcaatg      120
aaattacttt tcaccattgg tttcaggata taaacaatt aaaattagaa cacactaaac       180
gctgcactat agttcatgac atctgcatgc cacacaaaaa atcaaaatgt agtctcacat       240
aggctgatca tactagagta tatttattaa atttcaccat tatgatcact ttgttataac      300
taaattaacc ctgacataaa ctttgacatt ttaaaaacag agaacatact gatttttcaa      360
ctattttact tacatgtgtt ttttaattct catgcagtgc tcataattag gagatactac      420
atattcaccc tcacattatg cttattaaga accaagctca gagggtagaa aagtgccaac      480
ttcattttcc ataaacttcc catacatata ttaagccact gttcttctaa ttatatactt      540
atggtacatt cttctgtaaa atgtataact gtagtcacat aaccattgtt atgacaaggc      600
ggcaacatca tttcagatta caacaaatga gaccaaaagt tgaagagacc acagcatata      660
aaagtcatga gaacaccaca cacatttcaa tattttccac tttccagtca aaaaaacatg      720
cacaaagttt tcttagcaga tagttgtcag aagtgcataa aaaaactggc tttcaggtca      780
tatatgttga gtgaggatca atgccattga ggaaagagag ctgtgttcat tatctttag       840
gtctgtctat atcatctata gctgctagaa gtttttgtct tgctttctta ttgatatggg      900
atcccaggca aacattcacc agattggtca gctgcttcgt tgaatattcc ctgtgctctt      960
tgatccaccg ttccatgtca ttctcagtta ggtaataagc tttaatataa gtttctacaa     1020
attctttatc aggaatgggt ctaatatctg ttagtttttc aagtttcatt aaaaactgtt     1080
gaaaatccaa ttgcatcagg cacgaccct cattactgca tttcttgaca ttggcatatc     1140
cttctacaat agttcgatta gccaatcgta tacaatgttc ccaaagtata ttagacacag     1200
gcaagggtat gcgaactctc ttagaaactt catttagcct cctgttaaac tgctcaaatt     1260
cctttaatag tgcatctaca tatatgttgt gctgtgacat aatttctttt acatcccatt     1320
tcacctcgtg ccgaattcct gcagcccggg ggatcca                            1357
```
```

<210> 8577
<211> 4328
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4271)...(1515)
<223> similar to gi3882211 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters


<400> 8577
```
tttttttttt ttcagtagaa accattgaag tttattggcg gtcacaatgc ttacactgta   60
tgcagcaaac acccttacaa gtctatccgc aacctgatca cgcaagaaag gattcatcac   120
acagtcgcca gaggagaagg aaaaaaaatt aacaggcttg tttctggggg tagaggaaag   180
aaataaaaat aaaacctaat tgatgagtgt cccgtgggca agagctgaac tagagatgtg   240
tacaactagc agcaacaatt gtggaaaaag tacaaggcaa atagctgtct ccattaattt   300
tcctctgtag gttattattt tttttaatat tcaaaacatt tattatggtt ttcattttat   360
aaaaatgtat attttttaag ggatgggaga atgttaaata cttcatgcta ggtagacctt   420
gttattaaga acccttccac tgtagtaact tcctccagtt catacattca tgagtgcagg   480
gtacatatat aaatatccac acgcatacat ccacacacac tgcctcgagg gctggggaag   540
actaaaattt attggccaca cacagcaggg cctctggtgg actcacccac attgctccca   600
ggagagcagt gggctcactt ccttctctct ggtctctgcc ttcacacaga ccaagaaccc   660
tacaacacgt cgttaaatcc aacttttaaa agcaagaggc atctgtctga ggatgagggt   720
aagcaaagta ggaaagaggg tggagataag aacacccaaa cacttttagc tggagttatt   780
tatcactgca aggggctagg gacccagggc agaatctata cggtccaagg ggagggacgg   840
tgttctggca tggcttagag ttcctaataa caagggttaa tacagtaaca ggaattgatc   900
atttctgggt gaggacaggg caatacgaaa aaatatacat ttggaatttt agctttttttt   960
ttgcctctct actgtgtcac taaatatatc tctgcactct cacacatcct tgtccagtaa 1020
agcttcaggc caccagaata cacattttct tcactcgcat acacaacccc tcacatcagc 1080
attggtgcac tagactctgt aaaaattttt cagtcacact ttttgttttt aaacttgagt 1140
caatataaac cttgttcaaa atgttatgaa aaaatgtaca tgtttataca aggcaggttg 1200
ggcaggacac taggggttct ccccacttgg gtgggcccca ggaggagagg ctggagtctc 1260
agtttgtatc tcttatctcc tcccaccacc cttcccaccc agtcccccag gaaccagcag 1320
cgccctgccc cctagtgagt gtactcacac ccctattccc tggggaagca gctagttgac 1380
ctttgccatt ttccccacac ccctggagaa aagagccagg atcagccagg ccctctccct 1440
tgcaattgtt cgcccctctg ggccaaacca aagggacgct gctctgtaca ggtagagtcc 1500
aaggaggtgt cagctcatca tgtcattgct attcacgcca taagtggaat tcttcattga 1560
gtcgttgact tctcgacgga atgctgacag gttctgggtg aacctgtctc tgtttttcgt 1620
aagaagattt cgctcgatgc cttccatcag gttctcaaaa cacaggtgca tggcctgctg 1680
cttctccggt ggctggctgt tcacaatact gtttcttagg tcagaaaaat acttttcatt 1740
aagcaatatc aagccaagta gtggtcggga catagaccac tggttcctac agtcttcaaa 1800
gatgatgatg ttcagcaccg tggacagcat ctgctggatc atctctggat gctgctgcat 1860
gatgtgcaga aagcggtcgc tctcctggtt caggggtgtg gtcctcttct tggtgctacg 1920
tgacagctgc ttgaagaggt atgtcacaat gtggtccagg caggagcagc agcctgtgca 1980
taccatggtg tcaagtgcag taagtccttc agaaatggaa gagagaatat acatgatgac 2040
gtgaggttcc aggcttgcaa taaagttcat atggtcctgg gtcaggactt ccagtagtga 2100
ataataagac tggctgagct tggggtaatc caagagatca ctgtgaggaa tagagaggag 2160
cagcttgatg aaggtctgca gagcattgtc cagggcatcg tctccataga gacgaaagac 2220
tccgaaattg acgtaactcc cactgagagc agccttcagc atggagaagc agatggagat 2280
gcccttgagc ttcagagcat agacctgatc ctttgggacc tctcctagtg tcaggatgcg 2340
```

```
attgccatac attgttatca tcttgctggt ttctcggaag agtaagatgc cattggggga    2400
agagacatca aactggagtc gctgggacct attatgaacc aattcagcca tcaacttgag    2460
tacaggtgta gtacaggctg gatcatggta ccagagctca attgcccgtt ggagaattgg    2520
catataggat ggatatatcc attcaaagag catcatgaag ctggtcttgg cattgaaagc    2580
gaaagcgatc cctctcaggt ctcttactag gccaactaga gttcgctttg cctcctgctc    2640
gttgaaacta ttggtgctaa acatctgggc cacagcctca aatgctgctg tgagtggcag    2700
catgaactgc tcatactgat cttcatcctc tcctaaatcc accatgagga gacgcccaag    2760
tgctgtgtag aaggtagtcc gacaccgcat gtctgtcagg ttggactgat tgttaatacc    2820
caaaaatgaa aagtgctcgc tcgtgtgatt gttcagcatg aactgtaccg cactaagctt    2880
cactagcttc cttacgctac tgtacccaat ggagaggtca ttgagaagct gtagtgtctt    2940
ggaggtgatt ggttcacaac ggccccagta cttcaagttg gtgatgattt ttcctatgaa    3000
gacgcttagg accatggtct catcattcaa gcccagaact tctgagagtc ggcggtacag    3060
cttagaggat ttctgcactt ggtccccaat gtagatctta cgaaactgtt caaaaaagct    3120
cagcatggcc aactctagct tctcattacc cgcctgggcc aaacgagaat ctgttaggtt    3180
catcagctgg agcacccgac agacaagctc accatccatg gcgtcttgct catcagtgct    3240
ggcaaaagaa acccggccac cgatcactgc tccaataatg taaaccagcc atgtcagcct    3300
tccctcctgc actgcaatgt ccattgggct tgcgctggcg ctctgtagca gctcctggta    3360
cgactgggcc gactggtcaa acaactgcac gaggagtgca cacgtcttct catattcaca    3420
acgcccaatg gtggacagct gcaaggttga agaatctaag aaggctgatc tccagctggt    3480
gggaatctgc actgtacaca ggtcgtctga ggactcatca gtggaagtgc cgatgaagtc    3540
aaagttgagg cagttatgag tgagcttgag cagttgcatg agcaagccat gctgactttc    3600
atcattcaag tttagattct ttcctgaagc ctgttttagt aaattgcagg aaagtgtgaa    3660
gatatcaaat aatgatgaat cgcgaaaaga agaggctatt tttctgtgct tggttaaagg    3720
atgggtggtg tctgcttcaa tgaggaaggc tgtagcactt acttgattaa tttcattggt    3780
tagctgagat aaaattgtga caccaatgat gcagtattca acactatcct gtaaaaacct    3840
tgtgacgtct gtgattgcat ttctgaagac atagtcatcc ttctgacagt caaaccagcc    3900
cagttttgtg attctggcat ataactgaat aagtgcttgt gtcacgaaag tagccaactt    3960
cggccgagtg gcaaggtagt tgagcacata gttccgaata tctattcgct gttccaatgg    4020
taggggggttg tttgtgcgtg atacaagctt ggtaaggcat gtagctgcca gtaactggga    4080
gtaagaggaa cttcctcttt cgaggagtag ctggcacttg ctcaggcaat cagggctgtt    4140
ggtaaattca accaaggctt tctctgcctg gagtcgagtg gttgtgtctg tggtttcata    4200
cagctgtttg cacagattct ctagttgggc caggctctgc acatgatccg ccattttgct    4260
ccattcatgc tcctctccgg cccccccctcc cccccagcgc gcacctcggc cggagccgct    4320
                                                                      4328
gcacgaaa
```

<210> 8578
<211> 1160
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (143)...(763)
<223> similar to gi3153885 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8578
```
agtcttttgt gcagcaccct ttaaagggtg actcgtccca cttgtgttct ctctcctggt      60
gcagagttgc aagcaagttt atcggagtat cgccatgaag ttcgtcccct gcctcctgct     120
ggtgaccttg tcctgcctgg ggactttggg tcaggccccg aggcaaaagc aaggaagcac     180
```

```
tggggaggaa ttccatttcc agactggagg gagagattcc tgcactatgc gtcccagcag    240
cttggggcaa ggtgctggag aagtctggct tcgcgtcgac tgccgcaaca cagaccagac    300
ctactggtgt gagtacaggg ggcagcccag catgtgccag gcttttgctg ctgaccccaa    360
atcttactgg aatcaagccc tgcaggagct gaggcgcctt caccatgcgt gccagggggc    420
cccggtgctt aggccatccg tgtgcaggga ggctggaccc caggcccata tgcagcaggt    480
gacttccagc ctcaagggca gcccagagcc caaccagcag cctgaggctg ggacgccatc    540
tctgaggccc aaggccacag tgaaactcac agaagcaaca cagctgggaa aggactcgat    600
ggaagagctg ggaaaagcca aacccaccac ccgacccaca gccaaaccta cccagcctgg    660
acccaggccc ggagggaatg aggaagcaaa gaagaaggcc tgggaacatt gttggaaacc    720
cttccaggcc ctgtgcgcct ttctcatcag cttcttccga gggtgacagg tgaaagaccc    780
ctacagatct gacctctccc tgacagacaa ccatctcttt ttatattatg ccgctttcaa    840
tccaacgttc tcacactgga agaagagagt ttctaatcag atgcaacggc ccaaattctt    900
gatctgcagc ttctctgaag tttggaaaag aaaccttcct ttctggagtt tgcagagttc    960
agcaatatga tagggaacag gtgctgatgg gcccaagagt gacaagcata cacaactact   1020
tattatctgt agaagttttg ctttgttgat ctgagccttc tatgaaagtt taaatatgta   1080
acgcattcat gaatttccag tgttcagtaa atagcagcta tgtgtgtgca aaataaaaga   1140
                                                                    1160
atgatttcag aaaaaaaaaa
```

<210> 8579
<211> 1565
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1533)...(919)
<223> similar to gi3702627 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8579
```
acccatatag cagctatgct aaccccaagc ctctctggcc ctgttcttca tccttccttc     60
tgccccaatc ctgaaggaca agacacaccc ggccatcaac accactcaca tttccttggt    120
ggaaggaaag gaacagagaa gtgaagaaca gatacctccc tccaaggtca aatgcctcgt    180
gatcttggca gagtagggat tgggcaataa gcatcaggta tcttccctct acagattcta    240
gagagctggg gcattaaata tggggggacac ttagaataca gctccttaaa taccaccaaa    300
taaagacctt tgtgtgtgtg tggtgggtgg ggggggggca ggggtctttc tcttatgaac    360
ataaatctgt gagctgaagt ctcattcccc tgttcctccc tacccccaaa gaggcacaga    420
gtgaagggac ttggggggca cagctcagca acccagtggg agttagcacc ccctcccacc    480
ttatgatgtg tgtggacctg gccagtgccc ctctgaacat atcattatta gtgtaattat    540
catttatttt gtgtatttgt cacattgtgt gcatgacagc ctttgttaag ggtgtctgag    600
gagtatggag ctgacagggg cattggaatg ccaggaaaga acttcttcaa ctgagatcaa    660
ggcttcctgg agggaaccac tgcaaaaagg ccatcaggca gttttcaagt tatgtgacag    720
agggcaaaga cggccatagg gtgctctgag tttttgggatg gtcacatgac acaatccagc    780
acttgaacct ggggtacatg ctccctcatt gcgaggcagg acgtaggcac atgactgtgc    840
atttaggcat atatgtgacc aagaagaagg agagaaatgg aaaacactgg agaacagaaa    900
gtatcaggaa cttttcatca ggcaatccca aagcgctctg ctctttttcct cttctttgcc    960
tctgtatcct ctgtggttcc agttccagct gaacttgtga caatcccaaa tcgctccttc   1020
ctctttttca gtttctcatc atcttcagac tttctggaga ttgaagagac attcaaacca   1080
aatctttgag ctctttcctt cagcttatcc aagttaacca taggtttgtt atcagatgac   1140
agaccttttg ttggaactga agaaatccca aacctagctg cccgagcagc tttcttactc   1200
```

```
tccaagctca caggtacatt gaatcgttca gccctcttct gcattctctc agtctgtggt    1260
atttcagatg taattttcac cactttcttc tctgctgcca catcaacagt tttttcaggg    1320
ggttcttcct ctttgacagg gagctcaatg ggctttgttt cttcttcctc tgtttcatct    1380
cccagtacat cttcttcatt tgcctcctct tcagcatgtt cttcaagata tgcctggagt    1440
ctgtggataa gatcttgctt tattcccttg gtctccaaac cacgagcaag acattcttgc    1500
tttagttcgg caagctttag cttatggagc tccaccgtct cggtcgccat cttcggacgc    1560
                                                                     1565
gtggg
```

```
<400> 8580
aattgggccc aggagtgaag gccaagaagc ccatccagac taagttccga atgccactct     60
tgaactgggt ggcactgaaa cccagccaga tcaccggcac tgtcttcaca gagctcaatg    120
atgagaaggt gctgcaggag ctagacatga gtgattttga ggaacagttc aagaccaagt    180
cccaaggccc cagcctggac ctcagcgctc tcaagagtaa ggcagcccag aaggccccca    240
gcaaggcgac actcattgag gccaaccggg ccaagaactt ggccatcacc ctgcggaagg    300
gcaacctggg ggccgagcgc atctgccaag ccattgaggc gtacgacctg caggctctgg    360
gcctggactt cctggagctg ctgatgcgct tcctgcccac agagtatgag cgcagcctca    420
tcacccgctt tgagcgggag cagcggccaa tggaggagct gtcagaggag gaccgcttca    480
tgctatgctt cagccgcatc ccgcgcctgc cggagcgcat gaccacactc accttcctgg    540
gcaacttccc ggacacagcc cagctgctca tgccgcaact gaatgccatc attgcagcct    600
caatgtccat caagtcctct gacaaactcc gccagatcct ggagattgtc ctggcctttg    660
gcaactacat gaacagtagc aagcgtgggg cagcctatgg cttccggctc cagagcctgg    720
atgcgctgtt ggagatgaag tcgactgatc gcaagcagac gctgctgcac tacctggtga    780
aggtcattgc tgagaagtac ccgcaactca caggcttcca cagcgacctg cacttcctgg    840
acaaggcggg ctcagtgtcc ctggacagtg tcctggcgga cgtgcgctcc ctgcagcgag    900
gcctagagtt gacacagaga gagtttgtgc ggcaggatga ctgcatggtg ctcaaggagt    960
tcctgagggc caactcgccc accatggaca agctgctggc agacagcaag acggctcagg   1020
aggcctttga gtctgtggtg gagtacttcg gagagaaccc caagaccaca tccccaggcc   1080
tgttcttctc cctctttagc cgcttcatta aggcctacaa gaaagctgag caggaggtgg   1140
aacagtggaa aaaagaagcc gctgcccagg aggcaggcgc tgataccccg ggcaaagggg   1200
agccccagc acccaagtca ccgccaaagg cccggcggcc acagatggac ctcatctctg   1260
agctgaaacg gaggcagcag aaggagccac tcattatga gagcgaccgt gatggggcca   1320
ttgaagacat catcacagat ctgcggaacc agccctacat ccgcgcagac acaggccgcc   1380
gcagtgcccg tcggcgtccc ccgggccccc cactgcaggt cacctccgac ctctcgctgt   1440
agccgctatt tctgcaggtg gattctgcag gggtgtgggg ccgtggacag gctgaggctc   1500
aaggaaggtg gtcctcagct cggctggccg ggcagcccct cctccgctgt ggcccgcctc   1560
aaacgggctg gtgcatcctc ctcttggcca cagagggcag catcgcccgc cccttcccc   1620
aaatgctgct tgcagcaccc accctaaagc ccctccaaa tagccatact tagcctcagc   1680
aggagcctgg cctgtaactt ataaagtgca cctcgccccc gcaagcccca gccccgagga   1740
ccgtccatgg accttatttt tatatgagat taataaagat gtttgcaaaa aaaaaa       1796
```

<210> 8581
<211> 3348
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(3349)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (427)...(1924)
<223> similar to gi2088839 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8581
```
attctggtgg acttcggggc ttaggccgcg gccgcctctg cgagggcctt ggggcgtcaa     60
gcatcggttt tccggtgctc gagcccggag gcatgagcag gggccatggc cgatagcatc    120
ataattcgtg tccagtcccc agatggaggg aagcggatca cagcaacaaa gagagaaaca    180
gcagcaacat ttttgaaaaa ggttgcaaag gagtttggct tccaaaataa tggcttctcg    240
gtttacatca atagaaacaa gactggagag ataacagcct cctccaacaa atccctcaac    300
ttgctaaaaa tcaagcatgg cgatttgttg ttcctgtttc cctcgagcct tgctgggccc    360
tcatctgaaa tggagacgtc agttccaccg ggcttcaaag tctttggcgc tcccaacgtg    420
gtggaggatg agattgatca gtacctcagc aaacaggacg ggaagattta cagaagccga    480
gacccacagc tatgccgcca cggccctttg gggaaatgcg tgcactgcgt ccctctagag    540
ccattcgatg aggactatct aaaccatctc gagcctcccg tgaagcacat gtccttccac    600
gcctacatcc ggaagctgac tggaggggct gacaagggga agtttgttgc cctggagaac    660
atcagctgca agattaagtc agggtgcgag gggcacctcc cgtggccgaa tggcatctgt    720
actaagtgcc agccgagcgc catcacgctg aacagacaga agtacaggca tgtggacaat    780
atcatgtttg agaatcacac cgtcgctgac cgctttcttg acttctggag aaagacaggg    840
aaccagcatt ttgggtactt atacggacgg tacacggagc acaaagacat tccccttggc    900
atcagggctg aagtggctgc gatttatgag ccacctcaga ttggtacaca gaacagcttg    960
gagcttcttg aggatccaaa agctgaagtg gtcgatgaaa ttgctgccaa acttggcctg   1020
cggaaggttg gctggatatt tacagacctc gtctcagaag atacccgaaa gggtaccgtc   1080
cgctacagtc gaaataagga cacctatttc ctaagttcag aagagtgcat cactgcagga   1140
gacttccaga acaagcatcc caacatgtgc cggctctctc cagacggaca ttttggatcc   1200
aagtttgtta ctgcagtggc tacaggtggt cctgacaacc aagtccactt tgaagggtac   1260
caggtgtcca atcagtgtat ggcactggtc cgtgatgagt gtttgctgcc atgcaaggac   1320
gccccggagc ttggctacgc caaggagtct agcagtgagc agtacgtgcc tgatgtgttt   1380
tataaggacg tagacaagtt tggcaacgag atcacccagc tggcccggcc cctgcctgtg   1440
gagtatctca tcatagacat cacaacaact ttcccaagg atccagttta cacttttct    1500
atttcgcana atccatttcc tattgaaaac cgggatgtat tgggtgagac acaggacttc   1560
catagcttgg ccacctattt gtctcagaat acctcatctg tgttcttgga taccatctca   1620
gatttccacc tcttgctgtt cctggtcacc aatgaagtta tgcctctgca ggacagcatc   1680
agcttgctgc tggaggccgt gcggaccaga aatgaggagc tcgcccagac atggaagagg   1740
tctgagcagt gggccaccat cgagcagctg tgcagcacag ttggcgggca gctcccaggt   1800
ctccatgagt acggcgccgt cggggggctcc acacacacgg ccactgcagc catgtgggcc   1860
tgtcagcact gcacgttcat gaaccagcca ggcacaggcc actgcgagat gtgcagcctc   1920
```

```
cccaggacct agggcgcctg ccctctgctg gctaggaccg ggcccagccc agcccttcct    1980
gaagccagaa gcgttgctga gtgtgttccc tgtaactgcc ccatagtggg cagccctgga    2040
ggaacaaggg gctggctgtc ctgggctccc tgacccactg aagcttctca gcacgttcct    2100
ccctggagag cgggcgccac ggctggtatt ctgcaggctg aatgcagtct ccagactgga    2160
aacgcagagc ggctcctcac gcctaatcct gttgacaagt ccccgccgt gttggaaaga     2220
cctctcgcct ctacgtggca cctggaattg gggcgcacag ggaggggccg atgctgccac    2280
cacccagcct tctctttatt ttcagtgctt tttgtttggc ctccctgccc ccatgtttt     2340
ctggctggga gctcctggtt acccccttgt ctgactgctt ggtggcaggc accctgcctg    2400
tgagggccac tttcctcttc tagtagctgt tgtctggtgg ggacgcagtg gccctggaca    2460
cggctcccct ctgcaggtct gcaggtcggt ttgctgcctg ccctcctcct ctcacccgat    2520
gtccaggtgg gattttaaag tctgcattgg ttataataac agttatcagt aattcctgcc    2580
cagaagactt ttatttattt ttttttaaga taaaaactgc acaaaagggg agtgagagag    2640
actagtttcc acatccttcc ctcctttagt gaagcccccg aggttgtgtc cagggtgatg    2700
agtgtggacg ggggcaccag tcagttctcc cttgaagtaa acctcagtgc ctgagacttt    2760
tctaccaagc cacacagctg cagcaactgc agatactgcg ggctgagcag gagcagtggt    2820
ggcgcctgcc ctgaggctgc cctgcgatgg cctgggtggg agagctgggt caccggtgcc    2880
gatgctctgg ccctccccaa tacgctgctt cgtcccactg gcaccgcctg gctgagggcg    2940
ttagggggctg tgccctcttg tgagggccat ttgggacctc cctggggcac tgcacaattg    3000
atagtgtacc aatagaggga gactgggcga tctggaacag cacgtggtgg ggtcctgctt    3060
gtgtgctctg cgttcctctg tggcgtggca ggccggggct gcntgntacc cggggagtgg    3120
tgggcatctc gatgcttctt tgccttaatg atggccacat ctgggctgct ctgcacccac    3180
gggagaggct ggcccagctg cagactgctt agggacttct gtgtccatcc tggggggtaa    3240
gccacgtgac ccacattctt ggcactatga acagagaaca tttgcctgtt ggcttctgaa    3300
gtggtcaggg ccatggctga cacctccagg tccgcctggc atgggaca                 3348
```

```
<400> 8582
ttggacattt ttgagcgccg tggcttgaac ggtgcttttt gttcattcct gggtttttaat    60
attattttcc ttcttcatcc ctctctggcc actatggaat tctaatttga accatgtttg    120
gattgaagcc gcctctgtat ttcttaccag ggtcctcact gagcagcgag tcgtcccccg    180
tgtcctctcc ggccaccaac cacagctccc ccgccagcac acccaagcgc gtgcccatgg    240
gccctatcat cgtccccccт gggggccaca gcgtgcccag cacccccccc gtggtgacca    300
tcgctccaac caaaaccgtg aatggtgtct ggaggagtga gagccggcag gatgccggtc    360
ccaggagcag cagtggaggt cgggaacgcc tcattgtgga gcccccgctc cctcaggaga    420
aggcaggggg accagccatc ccctcgcacc tgctcagcac ccctaccccc ttcggcctct    480
cccccagctc agttgtgcag gattcccgct tcccgccact caacctccag cggcccgtgc    540
accacgtggt gccccccagt accgtgaccg aggactacct gagaagcttc cggccctacc    600
acaccaccga cgacctccgc atgtcctcac tgcctcccct cggcctggac ccggccactg    660
ctgcagccta ctaccacccc agctacctgg ccccacaccc cttcccccac ccggccttca    720
ggatggacga ctcctactgc ctgtctgccc tgaggtcccc gttctacccc atccccaccc    780
```
```
                                    7162
```

```
ccggctccct gcccccactg cacccatcag cgatgcacct gcacctctct ggggtccgct    840
accctcccga gctctcccac tcatccctgg cagcgctgca ctcggagcgc atgtctggcc    900
tcagcgcgga gaggctgcag atggacgagg agctaaggcg ggagagggag cgcgagcgcg    960
agcgcgagcg tgagcgtgag gctgaccgcg agcgggagaa ggaacgtgag cgcgaacgcg   1020
agaaggagcg cgagcaagag aaggagcgtg agcgtgagaa ggagcgcgag cgcgagctgg   1080
agcgccagcg ggagcagcgg gcccgggaga aggagctgct ggccgccaag gccctggagc   1140
ccagcttcct gcccgtggcc gagctgcatg ggctgcgtgg ccatgccact gaggagcggg   1200
gcaagccctc ggagcagctg accccaaccc gagcagagaa gctgaaggat gccagcctgc   1260
aggcgcccaa gcccgtccaa cacccccttgc atccggtgcc caccccacac cacacggtgc   1320
ccagcctcat ctccaaccat ggcatcttct ctctgcctag cagcagtgct gccacagccc   1380
tgctgatcca gcgcaccaat gaggaggaga agtggctggc gcggcagcgg cggctgcggc   1440
aggagaagga ggaccggcag tctcaggtgt ccgagttccg gcagcaggtg ctggagcagc   1500
acctggatat gggccggccc ccggtgccgg cggaggcaga gcacaggccg gagagcacca   1560
ccaggccagg accaaaccgt cacgagccag gtggccgtga ccctccgcag cactttgggg   1620
ggccaccacc tctgatttcg cccaagcccc agctccatgc tgcacccacg gccctctgga   1680
accccgtgtc cctgatggac aacaccttgg agacgcggcg ggccgaaagc cactctctgc   1740
acagccaccc ggctgcattt gagcccagcc gccaggcagc cgtgccgctg gtgaaggtgg   1800
agcgggtctt ctgccggag aaagcagagg aggggccacg gaagcgtgag cctgcccctc   1860
tggacaagta ccagccacct ccgccgccac cacgagaggg agggagcctg gagcaccagc   1920
ccttcctgcc cgggcccggg cccttcctgg ctgagctcga gaagtccacc cagaccatcc   1980
tgggccagca gcgggcctcc ctcccacagg cggccacctt cggggagctc agcggacccc   2040
tgaagcctgg ctcgccctac cggccgcag tgccacgggc ccccgaccct gcctacatct   2100
atgatgagtt tctgcagcag cgccggaggc tggtcagcaa gctggacctg gaggagcgca   2160
ggcggcggga ggcccaggag aaagggtact actacgacct cgatgactct tacgacgaga   2220
gcgatgagga ggaggtcagg gcccacctcc gttgcgtggc cgagcagccg cccctcaaac   2280
tggacacgtc ctctgagaag ctagagtttt tgcaacttt tggcttgacc acccaacagc   2340
agaaggagga attggtggcc cagaagcgga ggaagcggcg gaggatgctg cgagagagaa   2400
gcccgtcgcc cccaacaatt cagagcaagc ggcagacgcc ttcaccgaga ctggcgctgt   2460
ctacccgcta cagccctgat gagatgaaca acagtcccaa cttcgaagaa aagaagaagt   2520
tcctgaccat cttcaacctg acccacatca gcgctgagaa gaggaaagac aaagagagac   2580
ttgttgaaat gctccgtgcc atgaagcaga aggcactgtc agcagcagtg gccgactcct   2640
tgacaaactc tccgagggac agtcctgccg tctccctgag tgaaccagcc acgcagcaag   2700
cctctctgga tgtggagaag ccggttggtg ttgctgcttc cttgtctgac atcccaaagg   2760
ccgcggagcc tgggaagctg gaacaggtcc ggccccagga gctgtcgaga gtccaggagc   2820
tagctcctgc cagcgggggag aaggccaggc tgagcgaggc ccctggaggc aaaaagagtc   2880
tgagcatgct tcactatatc cggggcgctg cacccaagga cattcctgtg ccgctgtccc   2940
acagcaccaa tgggaagagc aagccgtggg agccctttgt ggcagaagag tttgcacatc   3000
agttccacga gtcagtgctg cagtccaccc agaaggccct gcagaagcat aaagggagcg   3060
tggctgtgct gtctgcagag cagaaccaca aggttgacac gtccgtccac tacaacattc   3120
ctgagctgca gtcctccagc cgcgcccctc cacccagca caatgggcag caggagcccc   3180
ccactgcaag gaagggcccc ccaacccagg agttggaccg ggactcggag gaggaggaag   3240
aggaggatga tgaagatgga gaagatgagg aggaagtccc caagcgcaag tggcaaggga   3300
tcgaggccgt ttttgaagct taccaggaac cccggcacta cagcctcagc ctgacggcag   3360
tgttacagac acaatgtaga cgactggagg cccggcacta cagaagatg gtctcagaac   3420
agcagctctc ccacagcgtg gcggagttga ggagccagaa acagaagatg gtctcagaac   3480
gggagcggct ccaggcagaa ctggaccact acgaaagtg ccttgccttg cctgcaatgc   3540
actggcctag gggctacctg aagggatatc ccaggtgacg gtttcccttg cactaggccg   3600
aacctatagt atagaaatat tatctatttt attaccttga atatttaata ttttttcactg   3660
ggaggtttga agcttacaaa atgagaatgt gccatgcatg aagcaaagga ttccaggctc   3720
cagaaaaaat gaatgaactc accttgacgt caatgcaatt gaatcaccgt tgtcattcag   3780
cgagcaacca atgtaggatt gcccacagtt tttcttttta aaggtggttt tcgcccttcc   3840
tctcccacat tatttcttaa tctgaacatg aaggctccat tagcaacact aaaaacttgat   3900
cattaacagc cccctgtgca tatgagtgga tcaaaccggt tctgttcttt cttgtgttgc   3960
catgttacta tgcctcaagc ccagtttgct tttgccgcag caatgggggcc agtctcattc   4020
ctccccagga gtgaaacttg cttcagctga aaaggttggg tgcattgtca gtaaaaaggg   4080
cttatttgtt tcattttact ttcctgcaaa attttcttca aagcaacaag tcctaggagc   4140
acacaaagca acccaaaggc ttttccctgg aaaagctctt tcttacctaa agataaaacc   4200
```

7163

```
aattcacaaa ctgaaggtag cttttttatta ctccgtgggg agcatgtaca gagctctgtg   4260
tatacacagc ttcacaccca ccagattgtt actacagtgg gttgggtttt catacagacg   4320
taaattttga gagaaaagtc aaaggtgctt cagccttgta ctgtgtatat atattaaaaa   4380
aaaaacaaag ttttgtatgt ttttattact ttaactattg ttataaaaag cctgccattt   4440
ttaatatgtg gtttggggga tttttgtttg tttttcctgt tagggggttt tgtttgttgt   4500
                                                                     4527
tttggttttt tttgggcaaa aaaaaaa
```

<210> 8583
<211> 2030
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1989)...(1366)
<223> similar to gi4204313 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8583
```
ttttttttttt ttgacagaag taaaaatatt tattttatct taaaaatctg gtcccgcaaa     60
aaggccaaca ctttttttcag ttcacggtct tgacctttca aagaagaaat ctttcaactg    120
agaggtgagt taataaaagg aatgtcagag gtgctttcag atttcttata aaccagtaaa    180
ccaagcaacc ctggacttct agtttactga gctccttctt ctagccattc acagttcctg    240
aaggagaaaa gaagttgttt gcagataagg cactttagaa accaccaaag agaaaaccca    300
agtctgccag gagctgcact gtgaacatgt gagccgagag ggccaccagc agacagagtg    360
ccaactccca cagctccatg acaacagcat ccaccttcct gccccaacac tgttccgtct    420
ggcttccagc acccgccttg gctctgtgtt gcctacctgg cctagaatac atggaaacca    480
gacaactggc cagagatgaa cactgctgcc tgaagctcag ggcagctgcc cacagtgagg    540
aatcccttca gaggccccag ctggggcacg ccgagggagc agttcctttt gcaaagatga    600
gttagtgcgg atcagcacat tagcaaagca aaatatttaa acatttttaa aagctgctaa    660
tccttccaat ttccctcctg attgtagctc aagctgcagc ctctaaacct gctaaaaatc    720
aggaagaaac ccctcctctg gagggcagat ggactgaagt ggctacagcc agtgtgggta    780
cggaaagcct cccgctgaac tgtgatcatg tgacacctgc agaccctggg aagggctgat    840
ctgaatcctg gcagcaaact caacctcttc ttttgcttgg ggggcttgtg tttaatacag    900
gtcattgcga tggaagaagt ctcagagtct ctctcacatc aagaggacag atggggacag    960
ggatcctgga gctttttcttc tcctgtgttc tggttgcata cttgaatccc aggaaacagt   1020
gtgacacggt gccaatttac tgccaaacat gcccggtttg tcaacagagc cagacaagga   1080
ggagaggaga gattcatgcc ccaaacacag gccagctgag gagggcttcg tcctccttcc   1140
tttggcccag atgagggagc gccttcccag aagtcacatg aggaaaaacc gtgctcaggt   1200
cagaactgga cccagcctgt gcctggctgg gtctggctgg aagttgatcc tgtagatttg   1260
gtaaagtctc cccagatgtc agcagtggca ggattgggct gtggccaggg tacaggagca   1320
cctcctgaac tgggagcaac tgctggctgg acgagggatc cccccacagc caactgctcc   1380
ccaggggggag ggatcagggt ggaggttttc cccctggggg gagggggaag caggctcagc   1440
cctcctgtgc tggcaggccg gactcgggga ttcccagctg ctccttcctt cttcttcatg   1500
tttgcgatgt tgagcttgat ggtctggccc tccttgaagc ccaggtccag tttagggcct   1560
tggtctgggt tctgggcttg ttttgcaaat tcacactgct gtttcaccca cttgaaatgg   1620
tcctgcaatg caacattgaa gtcaaaggca tcacctcggt ccccgaagcc aattccaata   1680
aacgcccgtc gcccatttcc atcttcgatg cggatcacga agtacctgct ggaatccgtc   1740
acactctcca cagctgtgcc aggaaactga tccaccgggg cctgagcaaa gagctcccct   1800
gacgtcctgt cctccagctt gatgtaggcc atctgtccct ttgcagtgat cctcagccgg   1860
```

```
ccactccatg atggctggtc cagctgccac tccgcagccc tgtagccacg gttggtagcc   1920
cgcggaggga tgcggtagac gtggacgtca ggcttgacac agagcaccga ctcgtacccg   1980
ctctcctcca tcgcgacgcc tggagcccac cgaacttccg gcgacttcca               2030
```

<210> 8584
<211> 3423
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2742)...(1380)
<223> similar to gi5689547 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

```
    <400> 8584
gttactggga taactcagtt tggtgaacac atgatgtggt ttggttatta gtagagttac     60
agaaaaggta gcatggaaac tgagatggcc tcgtgggtgt tggaaggctt ttcagcaagg    120
ggaggtgaat gttattaggt ccaacctgaa aggtgcatat ttcaggcaga tagataggtg    180
tttggcatct tataactgct cactttcctt ttccttagta atctgaaagt aattcactgt    240
actgaatagt taatggttcc cttaatagac tcttgtcctt ggaaaaataa aatgaaatga    300
ctggggttct attagtaact gaaaaattgt caacaattaa aactctaaaa cctactcatg    360
agaaaataaa gctcttttgt ttaggaataa taaaagccga cttaatgact tctgaaagaa    420
gtaagtgtcc ctgtaaaggc caggtgaaac tgccattctt taacctgtta ctcggtgtac    480
ttgactgcgg aaagaaccca gaaacagaaa aggccaggcc caaaggatag aagtgtaggt    540
ttcctctgga agcttactgt tctgctaaat gacctaaaaa ttgcctagaa cactcccaga    600
taagtcaatt tctgcttata aaaatccatt gccagaaaga gattattttt agttgtcttt    660
atttaaaaaa tgaaacacat tagttacaaa aaccgttgct ccaaatagat accgtgtatc    720
ttacaaatgt tttttgcttg gttttgagtg tttactgtag aaattttcaa tatcataaat    780
aaatgattat ttctttctca gaaagctgat ttttgtagtg tagtatttac aaataccgta    840
agtgaaaaat gatagtttat aaatttgtac catttaggaa aaaatgtttt atgtagtgtt    900
gtttgtgtaa cagcaaataa aaccatttaa gattatagtt tttacaaggg tggtaaaacc    960
tttaaaacag cataatgtgc atcgtatgcc tttctgacat tagcatgcaa aaacaaagct   1020
atttgttaaa atagacttat ttttgctcca actaagtaaa catgtaaaat tatttttaat   1080
aagctcaata gcttagaagg catcttgttt aaaatgaaaa taatttaaaa caatatctag   1140
cactgcaacc caaagctaac agacaactgc aatgccactg tgacatattt cagcaaaata   1200
taaaaaatga aaactttcca agttgtagaa cattggtttt tcaaatgtaa gactgttcac   1260
atgtgtattc acatgttcac aagtttttcca aagggaaaat actaattttt tattggcatc   1320
atccatatcc aggcaggctg tagttgagtc accaatagct actcctaaat ggagctgcta   1380
ttttttctat gttttctata aagttattta catctgtaac aaggattcca ttattttcaa   1440
agacttctct ggggatagta ggcttgtctg ttaggaggac agcaaacctg gcatcaatat   1500
gctgaatttg caggtttagc aaacatttca gaatttctgc ttttgttgat gatcgagagt   1560
cacactggtg ataatgaagc aattcaatga tatttgcact ctgaaatgac ttcaacatta   1620
tgttcttctt atgtgcagtt gaatccactc tttcatcttc ttttagcttt ttattttccc   1680
tgtagtgaag caaccacttc catcttccat ttccatttag ttttttccagg attttgataa   1740
tttccttcag ttgaactaat gttacagctt ctagtatctt gtcatctgat atcacaaagc   1800
ctcctgcacg aaacagttct tggtaggtgt gatcaagaac atctccaggg ctgtctactc   1860
cagcaaagat gacactgggg aaatgcttca gcttcagcaa agaaggaatc tgatgcaaat   1920
gtgatgatat atcttcattt ctgatgatga tgattagtgt atcattctct ctgtggaaag   1980
cttgacagaa gtgctgaggt tcaatttctg tatggcctcc tttcctcaga aggttctttg   2040
```

7165

```
ttcttacaaa gaatgatttg tcttctgttt cgacaaggta gaacaggaag gtactttac    2100
aagcctcttt cacaacactt cttagtttga cgtgcaaatt ggtgcacacg tctatgatta    2160
tgtcttcata ggaggctgac cgtcctggga aaggcagata catctcttga gcagtggctt    2220
ctccagaaac atcatttagc tctttgtctt ggaaaatgaa ttggttgcta ttcttcatca    2280
ccttgttgaa ttcagcatac tcattgagaa taagtgaaat atcattccga gattccttca    2340
cagtactgtt gtatttcagt ttgttgaggt ggaatgaaac agtgtgattt ctttgagaat    2400
ttctaagatc tctattatga ctacatctct ctctccaaga ggaagagctg tccagactgc    2460
tggctgtgta gcctctcctg ggctgcccct gtggtctggg atctgactcc acaactgtta    2520
ccagaagggg gcttctgctc ctaggtgcag gatgcagaaa tggggcctca gagatttttg    2580
tcgaagggaa agcaccaatg gagatctggg ttggtgactc ctttggaaag acattggcag    2640
aggaggcaga atgctgagaa tccccattct ttatggtctg ttttagttta tgtgcaaaac    2700
gcagatactc caggtctaaa gtgttctggg tgaggtcgtc tgccacctgc caagtgcttg    2760
tccaggagct gggcaggcca cagtttgcac tgaaactcgg gtgcctcctc aggccgtgtg    2820
aagttctcat ggtatctttg agttcttttg ttatagagaa gttggcgtaa gtcctgagga    2880
tcccgtggag atctcggatt tggacgtaag gcggcacaca cttctcttct ttctttaccg    2940
cagcagtcca gtgcccggga gggaggctcg tctccatgcc tggaacccag ctagagcagc    3000
cccagtcctc ttggttgttg ttgtggaagt tcaacgacga ctcatagcca tctgtgggaa    3060
catctttttt cctggtgtaa ctacctctta aagtataaga atcctccaaa tccagtctgg    3120
gatttctaca atcaccaagc aggtctagat cagaatctcc agagagttca tagtgcatgt    3180
cggaattcac accgacctct ccatctctgc ttagggtttc agaaccagcc tcagccgtga    3240
gcccctcccc actgttatca atttttacgt gctctgtggc tattccacaa gcagaaatat    3300
caaaggattc tgaaacaaag gaggccaaag gctctttact gaggttttcc atggtgtctg    3360
ctgtattttg gtagggccca gcacaaaggg agaaatctcc gaccttcaat agctcctttg    3420
cga                                                                  3423
```

```
<210> 8585
<211> 873
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (855)...(159)
<223> similar to gi33702 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
    <400> 8585
    tttttttttt ttctgattga caatgagaaa tatttattga gggtttattg agtgcaggga     60
    gaagggccgg catgacttgg gatggggaga gaaacccctc ccctgggatt ctggaagtct    120
    aagtttcccg tggtgggggg tgagggttga gaacctatga acattctgta ggggccactg    180
    tcttctccac ggtgctccct tcatgcgtga cctggcagct gtagcttctg tgggacttcc    240
    actgctcagg cgtcaggctc aggtagctgc tggccgcgta cttgttgttg ctttgtttgg    300
    agggtgtggt ggtctccact cccgccttga cggggctgct atctgccttc caggccactg    360
    tcacggctcc cgggtagaag tcacttatga gacacaccag tgtggccttg ttggcttgaa    420
    gctcctcaga ggagggcggg aacagagtga ccgagggggc agccttgggc tgacctagga    480
    cggtcagttt ggtcccccg ccgaagacat aagtgctgct gtcccacgcc tgacagtaat    540
    agtcagcctc atccatagcc tgggtcccgc tgatggtcag agtggctgtg ttcccagagt    600
    tggagccaga gaatcgctca gagatccctg agggccgctt gctatcttga tagatgacca    660
    gcacagggga ctggcctggc ttctgctgat accagcaagc atatttatcc cccaatttat    720
    ctccagagca ggtgatgctg gctgtctgtc ctggggacac ggacactgag ggtggctgag    780
```

7166

```
tcagctcata ggaggccacg gatcctgtgc agtaagcaag gacgccgagg aagagaggga      840
tccatgccat ggctgaggca cctccgatgc tgc                                   873
```

```
<210> 8586
<211> 2629
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (541)...(1871)
<223> similar to gi5689483 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
        <400> 8586
tttcgtgatg ggcggagccc cagccgctag tgctggtggc cgccgctgct gccccagctg      60
gagcccgagc cgccgcctct gcgtccgcgc gtcgctgctt cccagggcgg cggtatgctg     120
gggaaaggag tagtcggcgg tggcggcggc accaaggccc ccaagccctc cttcgtgtcg     180
tacgtacgcc ctgaggaaat tcacacaaac gaaaaggaag taacagagaa ggaagtaact     240
cttcacttgt tgccaggtga acagctgctt tgtgaagcca gcacagtact gaagtatgtc     300
caggaagatt cctgtcagca tggggtctat gggaggcttg tctgcacaga cttcaagatt     360
gccttcttgg gtgatgatga atctgcattg gataatgatg aaactcaatt taagaataag     420
gttataggag aaaatgacat tacactccac tgtgttgatc agatttatgg agtgtttgat     480
gagaaaaaga aaactctctt tggacaactg aagaaatacc ctgagaagct catcatccac     540
tgcaaagacc ttcgagtgtt ccagttttgt ctgaggtaca caaaggaaga ggaagtcaaa     600
aggattgtca gtggcataat tcatcatacc caggctccta aactgcttaa acgattattt     660
ctgttttcct atgcgactgc tgcacaaaac aatacagtca ctgatcccaa gaaccatacc     720
gtaatgtttg acacacttaa ggactggtgt tgggaactgg aacggaccaa aggcaacatg     780
aagtacaaag cagtgagtgt caacgaaggc tataaagtct gtgagagatt gccagcatac     840
tttgttgtcc ccacccctct tcctgaagag agtgcccttt tgaaaatgtc agcactgccc     900
ccaatatggt gttggtcctg ccacaatgga agtgcccttt tgaaaatgtc agcactgccc     960
aaagaacagg atgacggcat tttacaaatc caaaagagct tcttagatgg aatttacaag    1020
accatccaca ggccacccta tgaaattgtt aaaacggaag acctgtcaag caacttcctg    1080
tccctgcagg aaatccagac tgcatactct aaatttaaac agctatttct gatagataac    1140
agtactgaat tttgggacac agatataaaa tggttttctc tgttggaaag tagcagctgg    1200
cttgacataa tcagacgttg cctgaaaaaa gcaatagaga ttacagaatg tatggaagca    1260
caaaacatga atgttcttct tttagaggag aatgcatccg acctctgctg tctcatttcc    1320
tctctggtgc aactgatgat ggacccccac tgcagaacca gaattggttt ccagagcctc    1380
atccaaaagg agtgggtcat gggtggccac tgtttcttgg atcgctgcaa ccatctccgc    1440
cagaacgaca agaggagca tcaacgacaa ctttctttgc cacttacaca atctaagtca    1500
tctcccaaaa gaggattttt cagggaagaa acagatcatt taattaaaaa ccttctgggc    1560
aagagaatta gcaaacttat taattcttct gatgagctcc aagacaactt cgagagttc    1620
tatgacagct ggcatagcaa gtccactgac taccatggtt tgttgttacc gcatatcgag    1680
gggcccgaaa tcaaagtctg ggcccagcgc tacctacgtt ggattccaga agcccaaatc    1740
ctaggtggtg gccaagtggc cactctgagc aaactcttgg aaatgatgga ggaagtccag    1800
agtttacaag agaagatcga cgagagacac cacagccagc aggccccccca ggctgaggcc    1860
ccctgcctgc tgaggaactc tgcccgcctc tcgtctttgt ttcctttcgc tctgctccag    1920
cgacattcct ctaagcccgt cttacccacc agtggctgga aagctttggg agatgaagac    1980
gatttggcca aacgagaaga tgagttcgtg gacctagggg atgtgtgacc tgtttgttga    2040
gtgattgtga aagaggaatg tgggagattg ggacagctga tccctggatt tgtgtcacgc    2100
```

7167

```
tacagctcat gctggctggg tccttagccc ggcactccgt tagaataaac ctgggccttc    2160
gggaaaagag gtggctctca ttatttttca tgattctaaa agactatgca attaaaaccg    2220
catctgtagt attattaatt ggaaggaatt attacttgac ccgtaatagg gttgtggccg    2280
ttttctgatg cctaagtatt atacagagcc cacaatggcc agtttactac cagaaagggc    2340
ttcagtaaga tattcttgga cttgatactt tcttcagatc ctctttgtgc caagataatt    2400
tatccagtca ttgggaatag taagtttctg tgtaacccat ctcaattata gaagcaagtt    2460
cagctttatg tatttgtatg gggagttgaa gattcagata gaggtattaa gatgtgtggc    2520
atttacttaa accatcacat ttttttcttt ctacgccccc ttgcctgtaa aacacctggg    2580
                                                                     2629
aagttccact ggtgtcatcc atcctgatgc ttcagaccac ccgagccct
```

<210> 8587
<211> 1156
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (743)...(981)
<223> similar to gi4731912 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters

<400> 8587
```
caattttctt gaaattgcaa taattttaaa atccgagttc caaaataggt ccttaatttt      60
tggaaaaatt gtttaggggg gtttaaggcc ccaaggaagg ccacccttcc catttattaa     120
ttatatccag aattgagttc tttcaaggta gaaaaaattt atattaacca attttttagta    180
atgttcaaag actagttttt tgagtataaa attgagttat tataatcccc tttagtattg     240
taaacccttt aatagctttc taaaatgaag tagtattttt ctatgtgagt gaaatatcag     300
tttacattta taatacttga tacttaaatc tgaattcctc atttcactta atctttttc      360
aaatgatcat acacatatac taaaagaggg gtgtttagga aaagttgaaa tgatggaatg     420
ttttggtctt aggacctttt ctcaaaaaaa ataaggaaat ctaaaaagca tttttttcaaa    480
tgccaacaca aaaacattcc ttcttatatt ttctattctg gcatgtacag ggatagggag     540
gctgtgtggt ccactggtta gagccaagga ctgggagcca ggaggatcct gggttccaat     600
gcggggctaa ccactgactt actgtgtgac cttgggcaag tcacttgacc tccttgttcc     660
tcagtcaacc atctggaaaa ttggttaaaa agcaggacct cgctgacaac cagatgctgc     720
atctgagctg agctttcttg ggcaccggct tttccgtgaa cattgtgttt gtgtacaagg     780
aaactatata aaggacttaa atattcttgg aagagatctt tcaaaaacta taataattga     840
caactcacca caagcctttg catatcagct ttctaatgga atccctatag aaagttggtt     900
tatggataaa aatgacaatg aactcctaaa attgattcca ttcctggaga agcttgtaga     960
actgaatgaa gatgttcgac cacacatcag agacagattt cgcttgcatg atttgctgcc    1020
cccagattaa gtacaaagac ttgtcaaatc actgaagggg gagagaatgc aggacccttt    1080
tggactaaga caaaaacatt gccattactg ttgaaatttt gcatttttgt accccgtctt    1140
                                                                    1156
gctttttctta tctttg
```


<210> 8588
<211> 670
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (569)...(142)
<223> similar to gi3046869 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8588
cggccgcgtc gacttttttt tttcgagttt ttgcatttta aaatttattt aaagtcttgg   60
ttgttcaggt cctaggggtt ccaagtcccc agtcaccttg aggactcaga catcaggaat   120
tcagtcccca gcccagagat caacgaaaga aagacaactt ttcttggagc caggcctcag   180
tgaggtcatc agtggtgcgg atttcgaaca cctttgtgag ctctgctgtc tgcaccagcc   240
tgttttact ccctgcatac atcatctgtt gttccggctt gcagcccaca gggctggaga   300
agatgaaaca caaagggtag gacactcggc catcgtcatg cacgtacttg tagctgtaaa   360
ccacgaacct gggctgtctc tccggcaact ccattttgag ctcctctggg gaaatgttct   420
gaaattcttc ctccagcacc accatctgcc ggtctttgtc caccttcatt atgatggctg   480
cattgtctgt ctcttttcgg aagcggaatt tcctcagctt ttctgttagc tctgggtcta   540
cctcgcacac caccagggag tcagacatga ttgttctgtc cacaggcctc ttctttctt   600
agttccgctg tcttctaggc gtggggaccg gggctgtagg ggggcgggct gtgcagtagg   660
                                                                      670
aggaaggttt

<210> 8589
<211> 2362
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2175)...(446)
<223> similar to gi4704735 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8589
tttttttttt ttacatttt taaaagtttt ttattttca gtttttgtag agatgaggtc   60
tcaccatgtt gccctggctg gtcttgaact cctggcctca agccttcctt ccgcctcggc   120
ctcccaaagt gctgagatta caggcctgag ctgctgtatg gctatgattt tgttaaaggc   180
cgacacagag gtgaagtcaa ctgctagaaa tcacggcttt taagaggtgg agtcacattt   240
gaactctggc ctctgatgcc agatctgcag gtcacatgtt caccatggtc caggtgaccc   300
tgactgcggt ccccacctct tctgtgaggc acagggcagg attccacctg aggcgcgagg   360
agcctgggac gactcctttg gtctcttctg gggttcgcaa aaacctgggg gtcccgggtg   420
tgaagaaggg tgtctgcgct ctcagcggtc aggctccagg cgctgcgaca ggacgccgag   480
gacgcgctgg aacttctcaa agcgttcagc gcgcggagct cccgcgcccc ggctacccca   540
gagcagcctc cgcacgaagc cggtggtcag ggcctccctc agctccgggt taggccggaa   600
tcctcgcagg cgctgggctg ccaccttgcg gaatttgggt gcgtcccgga ccatgtgacg   660
cgcccgtgc agggtgcgca acagccgctc acagctctcg tccagcggcc ccgcgacttc   720
ctcgccctcc agtaggcgaa ccatgggtgc cacgtgcggc agcgccacct cgccggggtc   780

7169

```
gcagggtcca gcgccctcat ccagagcccg catcagcggc ttcagctcct gctcaaaggc     840
cagcgcagcc tccgtgtggc tccttcggag ctggcgccac gtgtgctcca accgggacac     900
ctgggggcatg agcagggcgc ccatgactgc agccagcccg ggcaggtccc ccgccgcccc     960
tggccgcagc gccagcgcca gctctaccag tcccctcagt gcggctgcgc gctcctccag    1020
cggccccgag cagcccagca ccgccagcgc cccggccagc gccagtgtct gatgcctctc    1080
cagcagttcc aacctcaagt ggtgtccatg gggaagagtg agcagctcca ggccagatga    1140
gactcccatg ttgccccgct gatctctggt cactcccagg aggcctgtgg cctggcagtc    1200
taccaatagc aggtgaaggg cggtgctccc aggatggtgc tccaggaaca ggccacggag    1260
ggtatgcagg acttgggggtt ccaggggccg attctggggg cccagcaggc aggaggggggc    1320
atcatggggg cagaaagaga tctcagcctg tggtcttgta aaacatctat tctcttcctc    1380
ctcatcctcc tcggcctccc accatggggc ctctggctct gggcagcttt ggctcggggga    1440
tgttccctgg acactgggca ctcggggcac cagctcgcag tacgtcgggg gacgttcaga    1500
ggcatcaggc agttcgaagg agggtgtccg ggggggcttc gttggtgcct tggcttgaag    1560
ctgcccatcg gaggccctga gactgtcggc aacagttccc aggggagcag gggccttcag    1620
caacaccggg tcactgctcg ttcggggcaa ggcagatatg ggcatggtgg aggcttccat    1680
cccagcggggg tcttctcttg accgccccat atgtgccaaa tctgcaggct gactgttgct    1740
ccacttcctt gccctgagag gctctatccg agctgggcca tccatcaggg tgtcctcgct    1800
aaagctgcgt cgcagaggcc cctgccaagt cacaggcctg gagaccacag cccctgtggc    1860
ctgggacagt gggcgcctgc ctgtcatata actgtgaacc agagccggta tgctggggaa    1920
ttgctcatcc tccagttgaa agagggctgt gggtcggcct ggccggggac gcagggccac    1980
acggaacacc tcaaaatgga gggctgagcc ccgccagcgg caggagatca cggggttgcc    2040
cccacgggac ccagaggcgc gaaccaggaa gtcgccattt tgctgaagaa gagcttcagc    2100
cttctggcgg gacaggaggc cgtggtacca aggttggcca gcaaggtctt ctccatcctg    2160
tggcacctgc atggagctct tgggaacaga gggtgccagg gctgagctct gcactttcaa    2220
caggcctcag tcttccacat ctgggcagga cccgcggggc tcccacgagg ctgggtccag    2280
gcggaagctg aggctccgcg gctccgggct gctgtcaccc ccgccctcca ccttgccacc    2340
gccccagcct tcccagacga aa                                              2362
```

<210> 8590
<211> 5088
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (279)...(2601)
<223> similar to gi435446 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8590
```
tttcgttgaa aaggaaaaac cagcgttatc caggattgtt aaattaattc ttatctgttt      60
ccacatcttg gaccgtgatc tctgtggttt taaaatccca tattttgagt gggttccgct     120
gttgtttaag aaaagttgct ttaaacctttt gctctgcaag cacccgaaga gaactcataa     180
aaaggaagac aacagcagat gcaatcgcgg atgtggctta gtccttgcag ctgccccaga     240
gtgctgtttg gagtgtaccg tcctcagtaa tgaatccaga agaacaaatc gtgacatggc     300
ttatatcttt gggagtttta gagtccccta aaaagaccat ctgtgatccg gaggagtttt     360
taaagtcctc gctgaaaaat ggggtagttc tgtgcaaact gatcaacaga ctcatgcctg     420
gctctgtgga aaagttttgt ctggatcccc aaactgaagc tgactgcatc aacaacatca     480
atgacttcct gaaaggatgt gcaaccctcc aagtggaaat atttgatcct gatgaccttt     540
attcagggggt caatttctcc aaggtactga gtactctttt agctgtcaac aaagcaacag     600
```
```
                              7170
```

```
aagatcagct atcagaaaga ccatgtggac gttcctcttc tcttagtgct gctaatactt     660
ctcagacaaa cccacaggga gcagtttcta gcacagtttc agggctgcaa aggcagtcaa     720
agacagtgga gatgacggaa aatggaagtc atcagttgat agtaaaagca agattcaact     780
ttaagcagac taatgaggat gaactgtcag tttgtaaggg ggacatcatt tacgtcacac     840
gagttgaaga aggaggctgg tgggaaggca cattaaatgg gagaacaggc tggttcccca     900
gtaattatgt ccgtgaaatt aaatccagtg agagacctct ctccccaaaa gccgtcaaag     960
gatttgaaac tgctccactt accaagaatt attatactgt ggtgttacag aacatcctgg    1020
acactgaaaa agaatatgct aaagaacttc agtctcttct tgttacttac ttaagacccc    1080
tgcagtccaa taacaatctg agtactgtgg aggttacatc tttactggga aacttcgagg    1140
aagtatgcac atttcaacag acactctgcc aagccttgga agaatgttca agtttccag     1200
aaaaccagca caaagtagga ggttgtctac tgagtctcat gcctcatttt aaatctatgt    1260
atctggctta ctgtgcaaac catccttcag ctgtaaatgt gctcactcag cacagtgatg    1320
agttggaaca attcatggaa aatcaaggtg catcgagccc aggtatcctc attttaacaa    1380
caaacctcag caaaccattc atgcgactgg agaaatatgt tactctcttg caagagttag    1440
aacggcatat ggaggatact catccagatc atcaggatat tctgaaagca atcgtagcat    1500
tcaaaactct catggggcaa tgtcaagatc tgaggaagag aaaacagctg gagttacaga    1560
tactgtccga acctattcag gcatgggaag gagaagatat taaaaacttg ggaaatgtga    1620
tttttatgtc acaagtaatg gtgcagtatg gagcatgtga ggaaaaagag gagcggtacc    1680
ttatgttatt ttcaaatgtc ctgataatgt tatctgcaag tcctcggatg agtggcttta    1740
tctatcaggg aaaaatacca atagcaggaa cggtggtgac tagattagat gaaattgaag    1800
ggaatgactg cacatttgaa atcactggta acacagtgga gagaattgtg gtccattgta    1860
acaacaacca ggacttccag gaatggttgg agcagctgaa cagactgatc agaggacctg    1920
cctcttgcag ttcattatcc aaaacctcat cgtcatcatg tagtgctcat tcttctttta    1980
gctctaccgg acagccccga ggaccttgg agcctcctca aattataaaa ccgtggagtt    2040
taagttgtct acgacctgca cctccactta gaccatcagc agcactaggt tataaagaga    2100
ggatgtctta tatcttaaag gagtctagta aaagccctaa aacgatgaag aaatttcttc    2160
ataaaaggaa gactgagaga aaaccatcgg aggaggaata tgtgattagg aaaagtacag    2220
ctgctctgga agaggatgct caaatcctta aagtgatcga agcctactgc accagcgcaa    2280
attttcaaca aggccatggc tcaagtactc gaaaagattc cattccacaa gtcctactcc    2340
ctgaggaaga gaaactcatc attgaagaaa ccagaagcaa cggccagacc atcatggaag    2400
aaaagagcct tgttgatact gtttacgcct tgaaggacga ggtcagagaa ctgaagcagg    2460
aaaataaaag aatgaagcaa tgcctggaag aagaactgaa atcaagaagg gacctagaaa    2520
agctggtgcg gaggcttttg aagcaaacag atgagtgtat tcgaggcgag tccagtagca    2580
agacctcaat tcttccataa ccatcactgt gccactgggt ggagtgtgcc ttcagggcat    2640
cttgaaatgt cccgctgaat gatttgactc agtttgctca cttctttggc ttttgttttg    2700
tgtttgagtc tctctctctc tctccctctc tcttctcttt ctctccccgc tgtgtgcata    2760
tgtgtgtgcg tgcacgtgcg cgcttgggca tttgctgttg tttggttatt ggttggttgt    2820
tcattttttt tttcaacagg tgaaaaagca ggaagtggtg gtagagatgg cctcagagtc    2880
ttttccattc agtaagaaag agaaagggaa tgcaggccag ttacttaaaa ggtcttcaga    2940
ttgccttcag ttcacagtgc ctctgcaaca gccattgccc tcaggtcaca ttctttgggc    3000
tggctgccct tgcaaagcag ctggccaagg cttattaaat gtgaacccaa ctttttcccca    3060
gggctttcct gtacctgcaa gcctcttagt acttaattta ccgaaggcaa atcttccaga    3120
ctatggcttg agtaggatga aagacaaaca catctgccca atgatccagc tgcccttcct    3180
tagaccatca catgcctccc ctcaatcaca ggttttaaaa ttactgccct atgttgtcta    3240
taagaccaag aaaactgtag tacccttatt ccttttgtgt catgtaaatt gtaactcagg    3300
ggggcagaag ctctggtcac ccacaccaac accaaatcca tcagcaaatt ctactggaca    3360
atcctccctt ttagtagcag agttgaccgc cttttcccat tgcatgatag ggttctttcc    3420
ctcattctgc ctagtgtgta agttttctat ttccccagta cttttagcca accttaccaa    3480
gtggtgtgta aactagtatg tatgtgcttt gcttactttt taaaaaaatg tagttagact    3540
gtgaggagtt actttatgta cgttgcatat tcaaactgtg atgtttttatc cttcaaaaca    3600
atctgcatta agaagatatt gtgccctact agacagcttt ccattcactt tattactctc    3660
tcatatatgc tgtgagaagt tgtaatatta attggcctct ttgggtggga ctctaagcag    3720
tatttgcaga aatatgcttc tggtccaact tgtacatcca gaacaaaagg gcccctctag    3780
tagctgtgtg ctggattatt caggactgat taactcaagt tgctcattga atcacatcat    3840
ccacttttatc ccagaaacta gaactgtgag aaaccaggtt tagaagacag tcacagaaca    3900
gcacacatcc aaattcagcg ccattgaaag ttggcctaag gctcagtgcc actcacccct    3960
ccctccccaa aagacaagag aaatttggcc agatggggaa ggtcactgga aattgaggcc    4020
```

7171

```
aaagggctga tcagaattgc ctttataata tatttgatgg atgcctataa atgtgggttt    4080
tgcaaatatt gtttaaaaac caaacttgaa gccaggcatg gtggcccaca cctgtggtcc    4140
cagctactca ggaggctgag gtgggaggat catttgagcc caggaggtca aggctgcagt    4200
gagctgtgat gacaccactg cactccaacc taggtaacag agagacacct ctgtctctga    4260
aaaaacaaaa cttgaagttt gaaaccccca gcttgctgag gagcccttt tatttttggt    4320
actgagagtc tcaaggtccc atagctacat ggtacagggc tgttgtctgc ttgctgcaca    4380
gcagaaatta caccatccac aggaaatgga ctattttgc agtccaacat cagccaacca    4440
cacacagccg tgtttggaag ctgaagagta aagaaatttc taggaatggc tgttgttctg    4500
ttttttagca cagccattta gatataacat ccttcactta aaaattaaaa acatcagtac    4560
taccaccacc accaacaaca tcaacacaga tcttcacatc tgcccattct gtggttagtc    4620
aatggcttgc aataaatgtg caaactgcat ctataggaaa cattttgtg attacggaat    4680
actttagttg attgctgaaa atattgaaag ggcttcattt tacagtgatg agtacatatg    4740
catgtttcgg ggacttggcc cttctgatga ggggccctcg gtactctgga taacgaagct    4800
tgtgcagagt ggtaaccatg cttacacact aaactataat ataaggaaa tgaagccatg    4860
ttaatctgag agcagtgtcg ccatagttgt gttgtttaca atactctata aatgggttcc    4920
tgttgccctg taattaaact gctgcccgta gaggcctttc agttcctttt ctgtccttcc    4980
ccttcttaac acaagctcaa attttctaac ttgttttat tttgaagact tttaaaatgg    5040
acattttcaa tacataaaaa taaacagtgc tttataaaaa aaaaaaaa                 5088
```

```
<210> 8591
<211> 845
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (88)...(765)
<223> similar to gi4580677 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 8591
cagactcttg gaaggggcta tactagacac acaaagacag ccccaagaag gacggtggag     60
tagtgtcctc gctaaaagac agtagatatg caacgcctct tgctcctgcc ctttctcctg    120
ctgggaacag tttctgctct tcatctggag aatgatgccc cccatctgga gagcctagag    180
acacaggcag acctaggcca ggatctggat agttcaaagg agcaggagag agacttggct    240
ctgacggagg aggtgattca ggcagaggga gaggaggtca aggcttctgc ctgtcaagac    300
aactttgagg atgaggaagc catggagtcg gacccagctg ccttagacaa ggacttccag    360
tgccccaggg aagaagacat tgttgaagtg cagggaagtc caaggtgcaa gacctgccgc    420
tacctattgg tgcggactcc taaaacttt gcagaagctc agaatgtctg cagcagatgc    480
tacggaggca accttgtctc tatccatgac ttcaacttca actatcgcat tcagtgctgc    540
actagtacag tcaaccaagc ccaggtctgg attggaggca acctcagggg ctggttcctg    600
tggaagcggt tttgctggac tgatgggagc cactggaatt ttgcttactg gtccccaggg    660
caacctggga atgggcaagg ctcctgtgtg gccctatgca ccaaaggagg ttattggcga    720
cgagctcaat gcgacaagca actgcccttc gtctgctcct tctaagccag cggcacggag    780
accctgccag cagctccctc ccgtccccca acctctcctg ctcataaatc cagacttccc    840
acagc                                                                845
```

<210> 8592
<211> 1990
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (208)...(974)
<223> similar to gi2695737 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8592
tttcgtccgg gattcggcca gtggtgctga gcgagtgctg gaccagcggc cgtcctgtgc   60
acctggcctg tgcgcgtgcc cgctgctcgg cttcacccag actaaggcgc gggcagctgc   120
gggaacaggc ggggtgggcg gagggagacc gggaggcacg ggcgccctgt gcgcggagga   180
ggtgaaggcg gccgggggccg ggacgccatg tccatggagg accccttctt tgtggtgaaa   240
ggagaggtac agaaagcagt caacactgcc cagggattgt ttcagagatg gacagagctc   300
ctccaggacc cctccacagc aacaagggaa gaaatcgact ggaccaccaa cgagctgaga   360
aataacctcc ggagcataga gtgggatcta gaggaccttg atgaaaccat cagcatagtt   420
gaagcaaatc ctagaaaatt taaccttgat gcaactgaat tgagtataag aaaagccttc   480
attacaagta ctcggcaagt tgtcagggac atgaaagatc agatgtcaac ttcatctgtg   540
caggcattag ctgaaagaaa aaatagacag gcactgctgg gagacagtgg cagccagaac   600
tggagcactg gaacaacaga taaatatggg cgtctggacc gagagctcca gagagccaat   660
tctcatttca ttgaggagca gcaggcacag cagcagttga tcgtggaaca gcaggatgag   720
cagttggagc tggtctctgg cagcatcggg gtgctgaaga acatgtccca gcgcatcgga   780
ggggagctgg aggaacaggc agttatgttg gaagatttct ctcacgaatt ggagagcact   840
cagtcccggc tggacaacgt gatgaagaaa cttgcaaaag tatctcatat gaccagtgat   900
cggcgccaat ggtgtgccat agccatcctc tttgcagtcc tgttggttgt gctcatcctc   960
ttcttagtgc tgtgacggcg gggcctctgg gtgcgagttc ctcctgcata tgaaccgagg   1020
ggaggaggag aagctgagca cgtgtgacat tgccgtctac tcacattcct atcctggaaa   1080
catactgctg cactgacttt tctccgtgtg accccacaat tgacatggct cctccatccc   1140
agcgctggaa gggccagtgg gaagaggaaa tagatgtctg cactcctggc tgcagctgga   1200
caacagaagc cccatgccgc ctgtccagtt cggaggagaa ctagctgctg ccttgccttc   1260
cgggacctcg tttgctgagg agggacttac agactccact ggtgttttgc tgttgctcat   1320
tccatgcatc tttggcagct cttttcttct gctcagaccc ttccccgtgc tcagacagtg   1380
caccgctgtc ccatctaaag aaacctgtca ggaatacgag cttctgggta tgtttcgttt   1440
cccattgctg tagcatttct tatcccctga gagctgatga ttattgagga cagaaggctc   1500
agaaacagtt tgtgacagaa aatgcagtgt ttcatttttc agggataaat gctaagataa   1560
aattgctttt ccaggtcatt ttttttgtg gcaagaataa ctaatggaaa ataatgaaac   1620
accctggggt ttggggggtgc taacaacttg tggctttaac tgacaggagc aattaaaaag   1680
agcaagaggg ttctgcattg gcatagctta aggaagggtt aatgatgtcg ccacaggtca   1740
gctcctgatc cttccgact tgatgttgct gtaccagggc ttcctcccca gaggtgcagc   1800
ttgcgttttg agggtgattg ctacatatgt tgttgctaaa cagctcagta acacacttga   1860
atgaatttgg ataccagatt gtcctcatta cagctctttt actcttaggg cactctacac   1920
tggggggttgg ggttgggagg gggtagtaca tttattacat ttattaaaaa acgcagtgac   1980
ataaaaggtt   1990

<210> 8593
<211> 1052

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (964)...(293)
<223> similar to gi868241 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8593
tttttttttt ttttggattt gcaaatacag tttattttac agaaattcaa cattataaac   60
agcaggcacg tgccagcccg ctcgcccccc tccccccggc caactcccag gtgcagacca   120
tgctatgcag agagtgagca gcaacgcgcc cctactgctt tggagtgaga gtcgaaagcc   180
gagggaacct gcctgcacca catcctgcct gccccacaca cgcacacgcc tgctcgctgc   240
gcaggccacc aacagtctgt ctgggcccag ccagcgctgg accccattac atggatccag   300
cccagttctc caattccttc atgtcgtcgt cctcctcttc tttttcttg gcgggttttg   360
atggtagggc tatagaggga acatttggta gagggactgt ttcgggtcca ctgatttcca   420
gcaaattctt gtctagttcc tcctgttcta gttcttctaa ttccgccatg agctcatcct   480
cgtcaaactc ttctccaaac cctacaggtt tcgaaattgc tgttgaaatc tcctctgcaa   540
gttcttgctg gtcagcaatg tcctgcatta actcatcaac tttatcgatg tccatgttgt   600
catgggccgc cttcatggcc ttggcggcat agcccatgtt cttgagcacc tcggtgttgg   660
tgttggcatt ctccagggcc tcccgctgga actcgatggt tgataatgtg ccgtcgatct   720
gcgccagctg cttctcatac ctcttcttac gcttcagtgc ctggagggcc gcgcgcttgt   780
ttttggtgcc gtgcttcttg gcggccgtca gctcctgctc gattttcttc tccaggaact   840
cctgtttctt gcttaacatc tcttccgtgt cccgcagccg ctggatggcc tcctgggggg   900
tcgggccgcc cttgccggcc ttacccctc cagccccgaa cagcttcccg aacaccgaca   960
tggttgctgc tcgccgcgcc ggccttcgcc gcccgctccg gctcggctcg gctcggctcg   1020
gctcgggtcg gacgaaatcg tcgacccggg aa   1052

<210> 8594
<211> 1496
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (67)...(1413)
<223> similar to gi202215 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8594
gaattcccgg gtcgacgatt tcgttgtcac cccgactcaa cgtgagacgc accgcccgga   60
ctcaccatgc gtgaatgcat ctcagtccac gtggggcagg caggtgtcca gatgggcaat   120
gcctgctggg agctctattg cttggaacat gggattcagc ctgatgggca gatgcccagt   180
gacaagacca ttggtggagg ggacgactcc ttcaccacct tcttctgtga aactggtgct   240
ggaaaacacg taccccgggc agtttttgtg gatctggagc ctacggtcat tgatgagatc   300
cgaaatggcc cataccgaca gctcttccac ccagagcagc tcatcactgg gaaagaggat   360

```
gctgccaaca actatgcccg tggtcactat accattggca aggagatcat tgacccagtg    420
ctggatcgga tccgcaagct gtctgaccag tgcacaggac ttcagggctt cctggtgttc    480
cacagctttg gtgggggcac tggctctggc ttcacctcac tcctgatgga gcggctctct    540
gttgactatg gcaagaaatc caagctggaa ttctccatct acccagcccc ccaggtgtct    600
acagccgtgg tcgagcccta caactctatc ctgaccaccc acaccaccct ggagcactca    660
gactgtgcct tcatggtgga caacgaagca atctatgaca tctgccgccg caacctagac    720
atcgagcgcc caacctacac caacctcaat cgcctcatta gccaaattgt ctcctccatc    780
acagcttctc tgcgctttga cggggccctc aatgtggacc tgacagagtt ccagaccaac    840
ctggtgccct accctcgcat ccacttcccc ctggccacct atgcaccagt catctctgca    900
gaaaaggcat accacgagca gctgtcggtg gcagagatca ccaatgcctg ctttgagcct    960
gccaaccaga tggtaaagtg tgatccccgg cacggcaagt acatggcctg ctgcctgctg   1020
taccgtggag atgtggtgcc caaggatgtc aacgctgcca ttgccgccat caagaccaag   1080
cgcagcattc agtttgtgga ctggtgcccc acaggcttca aggttggtat caactaccag   1140
cctcccactg tggtgcctgg gggtgacctg gccaaggtgc agcgtgccgt gtgcatgctg   1200
agcaacacga ccgccatcgc cgaggcctgg gcccgcctgg accacaagtt cgacctgatg   1260
tatgccaaga gggcgtttgt gcactggtat gtgggtgagg gcatggagga gggtgagttc   1320
tccgaggccc gtgaggatat ggctgccctg gagaaggatt atgaggaggt gggcatcgac   1380
tcctatgagg acgaggatga gggagaagaa taaagcagct gcctggagcc tattcactat   1440
gtttattgca aaatcctttc caaaataaac agtttccttg cacggttaaa aaaaaa        1496
```

<210> 8595
<211> 2714
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (279)...(923)
<223> similar to gi3880413 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8595
```
tcgtggtgct tgggtggtcg ccaccaagaa gactttggtg gggtagtctc ggggcagctc     60
agcggcccgc tgtgcccgtt tctggcctcg ctcgcagctt gcacgtcgag actcgtaggc    120
cgcaccgtag ggcgagcgtg cgggtcgccc gcggccgcct cggggtctgg gcccagccgc    180
agcctcttct accgcggccg gttgggagtc gccgcgagat gcagcctccg ggcccgcccc    240
cggcctatgc ccccactaac ggggacttca cctttgtctc ctcagcagac gcggaagatc    300
tcagtggttc aatagcatcc ccagatgtca aattaaatct tggtggagat tttatcaaag    360
aatctacagc tactacattt ctgagacaaa gaggttatgg ctggcttctg gaagttgaag    420
atgatgatcc tgaagataac aagccactct tggaagaatt ggacattgat ctaaaggata    480
tttactacaa aatccgatgt gttttgatgc caatgccatc acttggtttt aatagacaag    540
tggtgagaga caatcctgac ttttggggtc ctctggctgt tgttcttttc ttttccatga    600
tatcattata tggacagttt agggtggtct catggattat aaccatttgg atatttggtt    660
cactaacaat tttcttactg gccagagttc ttggtggaga agttgcatat ggccaagtcc    720
ttggagttat aggatattca ttacttcctc tcattgtaat agcccctgta ctttttggtgg    780
ttggatcatt tgaagtggtg tctacactta taaaactgtt tggtgtgttt tgggctgcct    840
acagtgctgc ttcattgtta gtgggtgaag aattcaagac caaaaagcct cttctgattt    900
atccaatctt tttattatac atttattttt tgtcgttata tactggtgtg tgatccaagt    960
tatacatgaa tagaaaaaga tggtgttaaa tttgtgtgta ggctgggaat tcttgctgaa   1020
tatacatgaa tagaaaaaga tggtgttaaa tttgtgtgta ggctgggaat tcttgctgaa   1020
ggaattggag aaaacctgtt gctgcaaaat tttacatgtt ccagatggaa agggaagtct   1080
```

7175

```
aagcgctttt taaaacaatt ttttttttgta tttaattaag caattgcagt tatctgggat    1140
ttttgggtca gaattttaaa ttctgtttga ttctccatat tccagtgaat aaaatacaaa    1200
agcattgtgt ttttaagatt gtgtcgatat tcacctaaaa acttgtgcca aaagcacctg    1260
gattggtaat tatatttcac ttaaagggta aatttgacaa tatcttgata atcaaaagtg    1320
caattttttt cttcaaaatg ttttctccag catcacagat cctgcagata tatatttata    1380
tttatacata tatatttatg aaataattct tactcacaaa atatatttct gataaacatt    1440
aagatattaa atctgatgca caaactttaa tttggccatt aatctttttt atttaaaaat    1500
ttaaatttgt ttttaaaatt gtatatagtt tttaaaatct cacacatgct tcgatacttc    1560
cttgttaaga attcttaata actactaaaa ctgattttta atagttgctg atatatattt    1620
ggtttgtttg ggtatacttt tcaaaaccat ttttgaatgt ccaaacatct gatttaaagt    1680
ttctgtttat ctttctgacc aaaggagcaa gaggtataat ggatatggca ttcattaaaa    1740
tctttactat gtacaaaaac agtaatattt acagcatcag taaatatttt taagtggtac    1800
ttctaaatca taaaagttgg ggaaagagac ctttaaaatc ttgtggtgtt gaacaatgtt    1860
atatgaagta gaaaaaataa aatacttccc agttgtgtgt tttgtttttac agcaccatgt    1920
cctgtattac ttgatatttt aacaagtatc aggtactctc taacaaatgt acagtttttg    1980
ctaagggaaa tattaagaaa tttttatcag tgaaatattt gttgcaaata atttcatagg    2040
tttttagata cacctgtagt taatattact ttgtaaagta ggtaaatcat tttatttatg    2100
tccataaaat atcaaatgtc tgttaactat tagcaaatta ttgtattatc ctttctggtc    2160
tcacctggaa gagtttcctg ctgtcctcag tatgataaca tggcgacctc ttggtatgta    2220
tttctttagc aaacttaccc atcaggaaat atccagcacc tctgaagcaa acctacaaat    2280
gagtgtgtta tcaagcccag ccgtcttcct ttcccctaat cccaaaagga aagaaagaaa    2340
aacttatttt aagctgcaga aaaagtgtgg agcacttttg agctagaata atgtagaaaa    2400
ttacatgtac tgattttttt aaaaacaggt gagaagcacc agagggacag gacttctaga    2460
agttagaata atatgaagta atcaggaaat atctatgcct acagaagcag caaccgtaag    2520
ataaacattt gttacactta agaaattgct gaggttaata ctttgttata atggattata    2580
atatttgaca ttcatagtgt tgaccctgga atctttcaca gaaagcttgg gggtcaggac    2640
caggaggtag aattttacaa ggcaataaat gaaggtattt taagatcacc tctattaaaa    2700
aatggtttaa tttt                                                      2714
```

```
    <400> 8596
ttttttcaaa attctgcacg aggggccggg gctgggtggc agcggccatg gaccgcttcc      60
tttggaccag cggcctcctg gagatcaacg agaccctggt gatccagcag cgcggggtgc     120
gaatctacga tggcgaggag aagataaaat ttgatgctgg gactctcctt cttagtacac     180
accgactgat ttggagagat cagaaaaatc atgagtgttg catggccatt ctcctttccc     240
```

```
     aaattgtgtt cattgaagaa caggcggctg gaattgggaa gagtgccaaa atagtggttc    300
     atcttcaccc agctcctcct aacaaagaac ctggcccatt ccagagtagt aagaactcct    360
     acatcaaact ctccttcaaa gaacatggcc agattgagtt ttacaggcgt ttatcagagg    420
     aaatgacaca aagaagatgg gagaatatgc cagtttccca gtcattacaa acaaatagag    480
     gaccccagcc aggaagaata agggctgtag gaattgtagg tattgaaagg aaactggaag    540
     aaaaaagaaa agaaactgac aaaaacattt ctgaggcctt tgaagacctc agcaaactaa    600
     tgatcaaggc taaggaaatg gtggaattat caaaatcaat tgctaataaa attaaagaca    660
     aacaaggtga catcacagaa gatgagacca tcaggtttaa atcctacttg ctgagcatgg    720
     gaatagctaa cccagttacc agagaaacct acggctcagg cacacagtac cacatgcagc    780
     tggccaaaca actggctgga atattgcagg tgcctttaga ggaacgaggg ggaataatgt    840
     cactcacgga ggtgtactgc ttagtaaacc gagctcgagg aatggaattg ctctcaccag    900
     aagatttagt gaatgcgtgc aagatgctgg aagcactgaa attacctctc aggctccgtg    960
     tgtttgacag tggcgtcatg gtaattgagc ttcagtctca caaggaagag gaaatggtgg   1020
     cctcggccct ggagacagtt tcagaaaagg gatccctaac atcagaagag tttgctaagc   1080
     ttgtgggaat gtctgtcctc ctagccaaag aaaggttgct gcttgcagag aagatgggcc   1140
     atctttgccg tgatgactca gtggaaggcc tgcgttttta cccaaattta tttatgacac   1200
     agagctaagg gttttgtatt taaaatcctt tttgtccata tgcttgcgtc atgtagaggt   1260
     tgtatgacat tgagctaaga gataaacccc gatcaattga gaatttattg gaacttcaca   1320
     gtgcaatgta aatctctttt aatttctcac taaatatggt ccaggaaatt tatttagtat   1380
     acgcatagga aaattcagaa aagtgaatgc caatatgaat ttaaaatcat gctatagtgc   1440
     agaaccctca gagtttaact tggaatatag tggatttttaa cttgatcctc aaatctaatc   1500
     attttataaa gaagggaatt tagtttttgca gagaataaaa agagaagttg catgttcaga   1560
     caggttagat tattattttg gtgtaactga aattcactga ttgcacatga caatgttggg   1620
     acaaaatata ctgcagcatg ctatatgagg ctcctcccca gggctttttag aagcagtcat   1680
     agacatgtct tcaacatacc aaataaaata cctttaaaaa tgaaataatt ttatttgaca   1740
     catatattta tatatattct atctaggttt ctctttngtt tttttaaag tgatgatttc   1800
     atggactggg catttaaaag aaatggcaac.tngtggtcca tttttggttt ttccaaatgc   1860
     tgtggaattt ttggaaa                                                   1877
```

<210> 8597
<211> 2029
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (254)...(1218)
<223> similar to gi4938275 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


```
     <400> 8597
     tgattcctga gtgctgagcg cgaacccgag gagatgaagt aaggcgtcag ctttcttttg     60
     aggaaggagc agcgggccac tgggggtggt ccaccgggac tggtgtggta gagcgtctgc    120
     ggggccgagg ggcgggagcg gcgcggggac tggaacagct cgtcccctag ttttgctctt    180
     cctcagctcc ggccggttcg cacttacttg tctgcttttc tgcctaccct ccccacccccc   240
     cccgccaccg tgaagccctt taactaaggt gaagctgatc aacgagctga atgaacgaga    300
     ggtccagctt ggggtggccg ataaggtgtc ctggcactcc gagtacaagg acagcgcctg    360
     gatcttcctg ggagggcttc cttatgaact gactgaaggg gacatcatct gtgtgttctc    420
     acaatatggg gagattgtta acattaatct cgtgcgggac aagaaaactg ggaaatccaa    480
     aggattctgt ttcctctgct atgaagacca gaggagcaca attctggccg tcgacaattt    540
```

7177

```
taatgggatc aagatcaaag gaagaactat ccgagtggat catgtgtcta actatcgggc    600
tcctaaggac tcagaagaaa tagatgatgt gaccagacaa ctccaggaga agggctgtgg    660
ggctcgtacc ccctcaccaa gtttgtctga gagctctgaa gatgaaaaac caacaaaaaa    720
gcacaaaaaa gacaaaaagg aaaaaaagaa aaaaaagaaa gaaaaagaga aagccgaccg    780
ggaggtacag gcagagcaac catcctcttc gtcacccaga cgcaagacag taaaggaaaa    840
ggatgacact ggccctaaga agcacagcag caagaactca gagagagctc agaagtcaga    900
gcccagggag gggcagaagc tccccaaatc caggacggcc tactctggtg gagcagagga    960
cctagagagg gagctgaaga aggagaaacc caagcacgag cacaagtcct caagcaggag   1020
ggaggcaaga gaagaaaaga ccaggattag ggacagaggg cggagctcag atgcacattc   1080
tagctggtat aatgggcgtt ctgaagggcg tagttataga agtagaagta ggagccgaga   1140
taaatcccat aggcataaaa gggcccgacg ctcccgggag cgggagtctt cgaatcccag   1200
tgaccgttgg cgtcactgaa gacttcagct gcacagtaga tttggaaata attatgtttt   1260
ttaaatgcag tcaaattcag ttgggtggtt actatttttg tatctaaaac ttctgggggct   1320
ggattctttt aatcccttga ctatttagag tcattgggag ggctgcagtt tcaacagcta   1380
gatatcctgg atattgtttg caccatccat tgtccctgta ccagagtatg tatcctgaac   1440
tttggttcat aaatatggct cttgaaccca tagaccccag ttgaagatgg aattttcagg   1500
aaagggaaaa tactagataa ttctagaatt ctagtcttcg tgttagatgt ttatagccca   1560
gcatcttggg acctttccag ttactaggtt tggacagctt gatgtgaacg aatgggatag   1620
gatttttaaa atcagccagc tccatgccca aaccttcctg tttgcagaac ttttttaatgt   1680
cttttctttt tcattaaaac ttttttgttc gatatgcctc tttccacatt ttttccttgc   1740
aatgtattta ttatttattt gtatttaggt gaaattcaca taacataaag ttaaccattt   1800
taaagggaac aattcagtgg catttggtac tgaacatcca cagtgttgtg taaccattgc   1860
ctctgtctag ttccaaaaca ttttttatc atcccaaaat gaaaccctgt agccattaaa   1920
caagagctcc ccgtttcctc cctcctccct gtccctagca accaccagtg gacttcctgt   1980
ttatgggttt gcctattctg gatctttcat aaaaatggaa ttacacaaa                2029
```

```
<210> 8598
<211> 2896
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (353)...(1344)
<223> similar to gi1665811 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
    <400> 8598
aattcccggg tcgacgattt cgtgctcctg ccacagccgt cgccttcgcg gcggctctcc    60
agccccgcgc ctcagcctcg gcgccgcatc accgcgtccc aggcctcctt ccctccctct   120
gccactcccc ctcccttcc cgctcttctt gcccacccgg ccggcagaga gagcctggat   180
acgaagcagg cgggcttcag agtgggttgg aaaaatggag gtgccgcgcc tggatcatgc   240
cctcaacagc cccaccagcc cctgtgagga ggtgatcaaa aacctcagcc tggaggccat   300
tcagctgtgc gaccgggacg ggaacaaatc acaagacagt ggcatagcag agatggaaga   360
acttcctgta ccacataaca tcaaaataag caatataacg tgtgactcat tcaagatttc   420
atgggaaatg gattcaaaat caaaggatcg cattacacac tattttattg acctcaacaa   480
gaaagagaac aagaactcca ataaatttaa acacaaggat gttcccacaa aattggtggc   540
aaaagctgtt cccttgccta tgactgtccg tggacactgg tttttaagcc caagaactga   600
atatacagta gcagtgcaga ctgcctcaaa acaagttgat ggtgattatg ttgtgtctga   660
atggagtgaa attatagaat tctgcaccgc agactattca aaagttcatc taacacaatt   720
```

```
gttggagaag gctgaagtga ttgcaggacg catgcttaag ttttctgttt tttatcgtaa    780
tcagcacaaa gaatattttg actatgttcg agaacatcat gggaatgcta tgcagccatc    840
tgtcaaggat aacagtggta gccatggctc tcctatcagt ggaaaattag aaggcatctt    900
cttcagctgc agcactgaat tcaatactgg aaagccaccc caggattcac cttatggaag    960
atacaggttt gagattgccg cagaaaaact ttttaacccc aatactaact tatactttgg   1020
ggacttctac tgtatgtaca ctgcttatca ttatgtgatt cttgttattg ctcctgtggg   1080
atcaccagga gatgaatttt gtaagcagcg ccttcctcaa ctaaattcta aggataataa   1140
attttgacc tgtacagaag aagatggggt gctggtttac caccatgccc aggatgtcat   1200
tttagaagtc atttacactg accctgtgga tctttctctg ggcaccgtgg cagaaatcac   1260
tggtcatcag ctcatgagtt tgtctactgc aaatgcaaag aaagatccca gctgcaaaac   1320
ctgtaatatc agtgttggac gttaatgccc acttttctta ttcttactca gccccttttc   1380
ctcccttagg agcattggtc ctctgttgtc cattttatc accagatgtt ttccactgaa    1440
gcatgcacat gccactgtca ccaaaacaaa caactaccac tttccaaatt tcattcagaa   1500
ccattttagt gttttcctat tccctacccc tcccactact ttcaatgatg aaatacccta   1560
agttaagttc tccttttgac actttattgc ctagatgctg caatgttttt atgtttcctt   1620
tatgccaaac ataacaaaac agttatatag actgctttag caaagtacac aataatggct   1680
tataaatggt gtttaaatat gcattcattt taatctactg aacaaatatt gggataactc   1740
caaaccgcat gaaagggtgt aattgcagca tgagttaaat cttgaagcct agaattgtca   1800
gcacttccaa cttcttgttt gacagtgtta tttatgttat ttatattagc taacaggaaa   1860
caactactgt gtttcaacat aataaatata atagaaaaat attttatttg tattgttgta   1920
taaaatattt acaatcatat agaatatata gagttacatt ttaatagcaa ctgtgtacat   1980
gtcacgaaac catttccctt atcaaagatg taatttgtaa acctcaaata gttgtgtatc   2040
tgtcctgtta gaagtagatg acttcaatta aacaaattta tgaaggacat tattctgatt   2100
cataaaagtt ataaaatatt aggtaaatac agagaaaaca ataagcctct gaaataagtc   2160
tgtttctgaa atagtcaata gtcttcccat ccaaactata agagaatgtg aatttcttca   2220
acatcatact taaacattac agaaaataga aatacaaaca aggttggtac atgagagaaa   2280
atgttgacct tttacttcct tttacaaaaa tgaaaataat aaacatgttt tcgtataaaa   2340
taacacaaaa tgatatacac tgaagttgat gaagcaaata aatattctgg gcttcttttt   2400
caaggtatca ggggcaaaca atttccaaac ttttgcattt tgtacagaag gatgaataac   2460
tacagctcat gggaaatgtt ttgactttac aaagtataga tgttggaaca ttaagaaaaa   2520
tgtatattcc caatgaaaaa atagttatat catcttatag taaaccaaaa gattagcaat   2580
aatactatgg acacattaga ttatatacta cagacacata tctatccaaa atacctattt   2640
taaattttta atacaatatt ttattttaat ataaacatct gtcagttata gacaaagata   2700
ataattcaca aagtacatgc tatcagaatg aactttggta accagaaatg taaaatttca   2760
aataacggat aaaataatgt gttattttta tagagaaaga aaaaaaatag caacacaatc   2820
tagtttattt tagggtactg agagcctagc agacttaaag gacaaggtag taaatgtttt   2880
atcactcaaa aatcct                                                   2896
```

```
atttttaggt aagatgaggg ttcatccatg gtgggtccag gccggtctca aacccccgac    60
ctcaagtgat cccgcccgcc tcggcctccc aaagtgctgg gaccgtgggc ataagccacc   120
gcacctggcc ctttaacttg atttcaaagc aaaattatac aaatggaccc taacttctat   180
tatatattta agtttacttc aaagatctat tttatcctta tccttagaaa ctgtgaggaa   240
aaaaaaacta tgttaacaaa gctgatgaca aagattcttt attatataag agatcctatt   300
atctgatcat attacctaat aaattatata tgaatgttca ataataaaaa taatgttcac   360
caatatgtca catgcatggt tagtgtttta ttctttgaag actgcttcta aaacatcgca   420
ctaagtaaag ctgaaaggat aaagtttaaa atagttttta aaggataagt tataacatat   480
gtaatgactg tccactctac aaaatcttga tcttagagct tatgatacac ccagttggca   540
gtagcaccca ggttttccaa atagccagtc atcacttttc tcttgtctgc atagacttct   600
tctcattagc tgccttctgc ttttcttgca tgatctcaga gtccctctgc tttctctgag   660
aggcagtcaa gctatcctct ttcctctttc ccttgctaat ttcctgggtt ttcttcatgt   720
ttttctggcg ggcaagttct cgttgatttc cacgggccat gccgaccacc aacggagcct   780
ggaagaagag caactcggaa aagcaacggt tctctggcac tctgggatac cgtcaccacc   840
gctgaccggg aaggctgagc cctcgtgggc cctccgcccg gctgcgcctc cgctctgctc   900
cgcgaattcc accacacgga tagtggtcta cgagggtttc aa                       942
```

```
<400> 8600
tttttttttt ttggccatag aaacgtcttt attgaagagg acaggagtca tgctgagttt    60
ggggacatgc agtgaagggg cagtcgtgag ctgtccttgg tggtcggggc cccaggtccg   120
ccctggaccc cctgggcctt caggttctcc ctcgagctgt tggtctggcc caggtgctgt   180
ggggtccttt gaggccagtg actagaacgt agattgaaat cggggttcca ggatttgaga   240
tcccctcagg gccttggggc cttccattta ttagagatgg aggctttagg atttgggtt    300
cccttagggc tggggctctt ggaatttggt gtcttgaaac ccatggactc ggggcattga   360
aattctccag tttccaggga tgggaattcc tgtgtggggt ttcctggtgc ctgtgaatag   420
ggcttgaggt gtctgggagc ctggaatgca tatcctgact gcagtctcct ccataccagg   480
cacaaggacc tcatgattgg gtttcctggg gacttgggat tggattttca aatttgggat   540
tccctgggga tttgggattc catgatttgg gggtcctagg agttacggca ttggggtctt   600
ctaggggctg taggacttga gggcacaggg gagtttggga cgtgtgtact ctagggtttg   660
ggatccccag agtcctagaa tggggcctcc aaattttggg gtccccaaa gggggaagtc   720
gttacttaaa aaatagagaa ttttctggga gtctggccag cacaggagct gtgggccatg   780
tggggtgggc ttcatacaag gcactggggg tttcttgagg gtgcagaggg taggaagact   840
tggggggtcc tgtaattagc acttccagga ctgttttggt gtctgtaaat taggggtgac   900
agtgggctgg ttatggtggg tttcttcttg agggataaga acaagggtct ttgttaatga   960
aggaagtctc tgattgaggg gttggaatct aagggcttca gggtgaccat ggggtcacga  1020
catcttgaga ggactgatgt taaatgggga acaatgacat gaatgtctgt tactcttttg  1080
ctttgggggt gtgacctatg tttatttcaa gaggacttaa ggggcagtgt ttgttaatgg  1140
ggaggtttct gatccagggt tgggtgattc aagaatgttc tgttgtaatg cattatgtgg  1200
agagggtcac catcatttgg ggtgatatgg aaatctgtta atctgggaat ctgctctgag  1260
```

```
gggttggggga tagggactag cctgaaggtg ctactcaggg aatctctttc tgggtgacat    1320
ggggtctgta tttgggggtt attatgggag tatctgttaa taatggggcc tcaatgatcg    1380
agggctggct aacagggggtc tctactctgg atgtgttact gggaatctct atctcagggt    1440
gactcaggge tcctcgggtg tcaggagatg ctagtgggga ctctgtctct ttgtcaggtg    1500
tccagggcct ctaagactgc atctccgccc tcagcatcca gggggaaccag cagcagaaca    1560
gcaacctgga aatggagttc tctgatgcaa tgtcctttgg ggtccggact gtggtgaagg    1620
tgcgtttggg ctgcgtcatt gtcacttgat gcactttttt ggctcaacg ctgtccccgg     1680
gggaatcagt ggatccgcca atcctctgaa tacgggatgc tggtgcgaag accccatgcc    1740
tcgggggggca agtgaagtac cggacaccga agacagagcc atcatgcttg cctgtgggct    1800
ggtccagctc aatgccatac cagtaacctg gggcaaagtc tgtcttcccg tagaagcgca    1860
cgatcccctg cttctggccc gcgacaagga cctggtctcc aacctcagcc ttggccccgt    1920
cacgctgctg caagctgccc agagatgggg atgatggggt cttcttcttg cctttgtgtt    1980
ccctgcggcc tttgccggtg acacgggaga agtccatccg gggggtccgg ggtgtggagg    2040
tgacagagga ggggggtgcg tccactgcct tggagatctt ggacacggag gcaaagagac    2100
cctgcttggg agggcagatg aagtaccgaa cgcccccaac gctgccatcg ttcttgccct    2160
caggttcgtc cagctccacg cccacccact ggccgctggc aaactccgtg gtcccacaga    2220
accgcagtgt gcccgtcttc tggccatcca gcagcacgcg gtctcccagg cgcaagccca    2280
gtgcgctaag catgagattg cctgggacgt tgtcatagtt gggtagcgtg accttgggga    2340
gggcgcaaga tagtggcact gcctcttcca gaagcgtccg cagctccttg gccaccagtg    2400
ccgcctctgc cttgtccagg gacatgtcca taggatctgg gaccacctcc gccggcacct    2460
gtcctttcg attcctcagc gcagggttgg cgccgtgctc cagcaaacat ttggcggcgc     2520
ccaggcacag gctggaagca gcgatgtgca gggctgagcc gtggttgaag tcactgcacg    2580
tggagttcac cactcgcggc ctcgcaccct tcagcagcac acgcacgagg tcgggcacat    2640
caaaataggc cgcgtagtga agcgcgttca tgttggtcca gcggatgcgc agcgtcacat    2700
gctgcgccca gcgccagcag ctgctgcgag aggcgcacgg ctgccgcggg gtccccgact    2760
ccgtgggccc cagctttgca ctgcatagtg gagcagtgtc atgtcggtca gcccgtcacg    2820
atcgttc                                                               2827
```

<210> 8601
<211> 2346
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (99)...(2295)
<223> similar to gi179285 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8601
```
tggttcaggc gggtgtcttc ggccgggctt gggaacataa aagtttgttt caccacgtaa     60
gccggacctc gcactccggt cccggtctcg tcgccaagat ggtgaagccc aagtacaaag    120
gacggagcac catcaacccg tccaaggcca gcacaaaccc agatcgagtg cagggagcag    180
gaggccaaaa catgagggac cgggccacca tccggcgcct gaatatgtat aggcaaaagg    240
agcgcaggaa cagtcgtggt aaaataatta aaccccctgca atatcaatca acggtggctt    300
ctggcacagt ggcaagagta gagccaaata ttaaatggtt tggaaacaca cgtgtgatta    360
agcagtcatc attacaaaaa tttcaagagg aaatggatac agttatgaag gatccataca    420
aagttgtcat gaagcaaagc aagttaccaa tgtctcttct ccatgatcga atccggcctc    480
ataacttgaa ggtgcacatt cttgatactg aaagttttga aactacattt ggccctaagt    540
cacagaggaa acgaccaaac ttatttgcaa gtgatatgca gtctcttatc gaaaatgctg    600
```
```
                                  7181
```

```
aaatgtccac tgagagctat gaccagggca aggatcgtga tttggtaact gaagacactg    660
gtgtgagaaa tgaagctcaa gaagagatct ataaaaaggg acagtccaaa agaatatggg    720
gtgagctcta caaggtgata gattcatcag atgttgtagt tcaagttctt gatgctagag    780
atccaatggg tactcgttcc cctcacattg aaacttacct gaagaaggaa aaaccttgga    840
aacacctcat ttttgtactt aacaaatgtg accttgttcc aacctgggca acaaaacggt    900
gggttgctgt cctctcccag gattatccaa cacttgcttt ccatgcaagc cttactaacc    960
cgtttggcaa gggagcattc attcagcttc tgcggcagtt tggaaagttg cacactgaca   1020
agaaacagat cagtgttggg ttcattggct atccaaatgt tggcaagagc tctgtgataa   1080
atacattgcg ttctaagaaa gtttgcaacg tggctcccat tgcaggtgaa acaaaggtct   1140
ggcagtatat tactttgatg cgtcggatat tcctgattga ctgtccaggt gtggtttacc   1200
cctctgagga ctccgagaca gacattgtgc taaaaggagt tgttcaagta gaaaaaatta   1260
agagtcctga agaccacatt ggtgctgtac ttgaacgagc aaagccagaa tatatcagca   1320
aaacatacaa gattgattct tgggagaatg ctgaggactt tcttgagaag ctcgctttcc   1380
ggactgggaa gttactaaag ggtggagagc ccgacttgca gactgtgggt aagatggtcc   1440
tcaatgactg gcagaggggc cggattcctt tctttgtcaa gccacccaat gcagagccac   1500
ttgtggcccc ccagcttcta ccctcctcat cttttggaag tgtcccagaa gcagcccaga   1560
acaatccagg ggaggaagtc acagaaactg caggtgaagg gtcagaatcc atcattaagg   1620
aagaaacaga agagaacagt cactgtgatg ctaacacaga gatgcagcag attctcacac   1680
gagttcggca gaactttggt aaaatcaacg tggtgcctca gttttctggg gatgacctgg   1740
ttcctgtgga ggtgtcagat cttgaggaag agcttgagag cttttctgat gaagaggagg   1800
aggaacagga gcaacaaaga gatgatgcgg aagagtcttc ctcggagcct gaggaggaaa   1860
atgtgggaaa cgacaccaaa gccgttatta aagcactgga tgagaagatt gccaaatatc   1920
agaagtttct agacaaagcc aaagccaaaa agtttttcagc agtcagaata tccaagggac   1980
tgagtgaaaa gatatttgca aaacctgaag aacaaagaaa aacactggaa gaagatgtag   2040
atgacagagc accttccaaa aagggaaaga agcggaaggc acaaagggaa gaggaacagg   2100
aacattcaaa taaagctccc agggcgctta catcaaaaga acggaggcga gcagtacgac   2160
agcaacggcc gaaaaaagtt ggtgtgcgct actatgaaac acacaacgtg aaaaatagga   2220
acaggaacaa aaagaagacc aatgactcag agggacagaa acacaaacgc aaaaaattca   2280
gacaaaagca gtaatgttta aaaggttttt attaaattat acaaaaacag gcagttaaaa   2340
aaaaaa                                                            2346
```

```
        <210> 8602
        <211> 2338
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (248)...(1911)
        <223> similar to gi5912169 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters


        <400> 8602
        cctgcacgaa ttcggcacga gcggtggcgg gattctgccg cgtgcgcttt cccgccccgc     60
        ctcgcctagc ctcgtcctgc gctcgccacg cctcgggctg tccgttgggc cacgcagacc    120
        gcgctgcgct cgctccgtcg cggctccgcg tgccccacct tctggctagt tttttctaga    180
        gcccaggctc cgccgtttc ccgcttccag ggcccggttc gttcccgccc gcaccgtcc     240
        ctctcctctg cacccctgct gcttctgctt tgaaggcgga ggctccatgt tgtcccctca    300
        gcgagtggca gcagctgcct caagaggagc agatgatgcc atggagagca gcaagcctgg    360
        tccagtgcag gttgtttttgg ttcagaaaga tcaacattcc tttgagctag atgagaaagc    420
```
```

                                      7182
```

```
cttggccagc atcctcttgc aggaccacat ccgagatctt gatgtggtgg tggtttcagt    480
ggctggtgcc ttccgaaagg gcaagtcctt cattctggat tttatgctac gatacttata    540
ttctcagaag gaaagtggcc attcaaattg gttgggtgac ccagaagaac cgttaacagg    600
attttcctgg agaggggat ctgatccaga aaccactggg attcaaatct ggagtgaagt    660
tttcactgtg gagaagccag gtgggaagaa ggttgcagtt gttctgatgg atacccaggg    720
ggcatttgac agccagtcaa ctgtgaaaga ctgtgctacc atctttgctc taagcactat    780
gactagttct gttcagattt ataatttatc tcagaacatt caagaagatg atcttcaaca    840
gctgcagctc ttcacagaat acggtcgtct ggcaatggat gaaattttcc aaaagccttt    900
ccagacactg atgtttttgg ttagagattg gagtttccct tatgaatata gctatggact    960
ccaaggagga atggcatttt tggataagcg tttacaggtg aaggaacatc aacatgaaga   1020
aattcagaat gttcgaaatc acattcactc atgtttctcc gatgtcacct gctttctctt   1080
accacatcca ggactccagg tggccacaag ccctgacttt gatgggaaat taaaagatat   1140
tgctggtgaa ttcaaagagc agttacaggc actgataccg tatgtattaa acccatctaa   1200
gttaatggaa aaggagatca atggctcaaa ggtcacctgt cggggactac tggagtattt   1260
taaggcatat attaaaattt atcaaggaga agatctgcct caccccaagt ccatgcttca   1320
ggccactgct gaagcctaca acttagcagc tgcagcctct gccaaggaca tttattataa   1380
caacatggaa gaggtttgtg ggggagagaa accttatttg tctccagaca ttctagagga   1440
gaagcactgt gaattcaaac aacttgctct ggaccatttt aagaagacca agaagatggg   1500
tgggaaggat ttcagctttc gttaccagca ggagctggag gaggaaatca aggaattata   1560
tgagaacttc tgcaagcaca atggtagcaa gaacgtcttc agcaccttcc gaacccctgc   1620
agtgctgttc acgggcattg tagctttgta catagcctca ggcctcactg gcttcatagg   1680
tcttgaggtt gtagcccagt tgttcaactg tatggttgga ctactgttaa tagcactcct   1740
cacctggggc tacatcaggt attctggtca atatcgtgag ctgggcggag ctattgattt   1800
tggtgccgca tatgtgttgg agcaggcttc ttctcatatc ggtaattcca ctcaggccac   1860
tgtgagggat gcagttgttg gaagaccatc catggataaa aaagctcaat agcatcttaa   1920
cgtgaagatc aaacaagaac acaacaagcc cctactgatt tctgggtttc tgccacggcc   1980
acaggttcat atccagagga atggcagatc tgagacgatc caggaagagc taaaacatgg   2040
ccctgtaata aatgagcaga cctctcctgt ggtttcaaat tattaaacac acttccattt   2100
ctcttggaag catttctttt ccttgctgtt ataaatgcaa gcctgtgtct attttcatat   2160
tactctgctt tgtgcacttt atggaggagg aagctagagg aaaaatggaa atgcggcttt   2220
taagttcttt atgtgccact tagtgccttt taagaaagat tccatggttt tgcacacacg   2280
atggggaggg gatggaggat aacctcatga aaggtgccgt tttcgggtga aacttgac     2338
```

```
<400> 8603
tttttttttt ttacgattag gttttggcct ttagtctgaa aaagtgttga ttgaaagtgt    60
acaacagaga gcgggtgcaa gcggccgagg gccatggagc cgccaataaa aaagaatgtc   120
cttaaataaa gttcacagag taaaaaccag aaccgccagt ccttccctcc aacacaacag   180
agcacaggca cagaaccggt gatgagcccg aggagcagag gcggctggga aggacagcag   240
aggctcccgg ctgcagtgtg gagggagagc cctctttgga atgggcggag tgaagccacc   300
```

```
cagctcccc tgcacacctc atacccactg ctaaggctaa aggaaaaaga caaaactcag    360
tctcaggtcc ggagggctca gaaaacagtc taggtgggca ggggtctgga tgactgctag    420
tctcgcttgg ccttcttctt cttgtcgctg ttgccatttt cttcagcccc ctcagtagag    480
agcacctcct ctagttttcg cttgccactc tctggctgga gctctgctgt gtttcggggc    540
ttgaagcaaa tgatgatgca ggtcatgttg tcacaccctg taccatcccc agaagtgtct    600
ggtgccaggc actgatccag cagctcttcc acaatggatg acaataaccg aagctcccca    660
ttttcatcac gctggctgat ctttgattga atgaaatcta caacttcctg gctgctcatc    720
acattccaga tgccatcaca ggcaatgacc atgaattcat ggtcgtcagt gagagtcagc    780
accttgatgt caggaagggc tgaaatcatc tgttcctcag gtggcaggtt cttgtttctc    840
ttatagaagt ggtccccaat ggctctggag aggttgaggc ccccgttgac tcgcccatcc    900
atggtgacct tgccaccagc attcttgatg cgtgctagtt ctacttcatc ctctggtttg    960
tgatcatagg acatgtctaa agctttgcca gcctcagata ccacacagcg agagtctcct   1020
gcgttggcta caatcaactg cttccctcgt atcagggcca ccaccgctgt tgtaccactg   1080
tcagagccag gctcctcttt gccttccatc cctggcacca tcatctcttc ttcttcttct   1140
tcatcgtcct cttcagcctc ctcggtgtca tcctcatctt cctcattctc tgcctcctca   1200
ctgctgtagc catcctcttc ctcgctgcat tcctcactgt cttcctcttc ttcctccgcc   1260
tcatctgact catcctcact gtcctcaaag aacttggact tagcaactcg aggcagcttg   1320
tcagaggctg aagagcagga aggcccagcc tcaccagtgg gaatgccagg ctcaccaact   1380
tggcctgcct cagtcccacg ttccgagttg gaggaaaagc ctgtgtaggc cttggctgtg   1440
gggccatttt cttgtgaagg agtttcccta gttgagtcct caggtcctgc ctccccattg   1500
aggccctggg accctggttc ctcgcctgtc ccacctccag atttgctgtg gggagggccc   1560
ttgtgacagt tctgcccgta gcgtgtcagc agctcttcaa tagtcatggt agcctcttca   1620
tgcagcagtg cagcctcctc attgtccaca tcatcttcat cagctacttt ttcttttca   1680
tcttcatcct cagtgggtcg ccctgcaatc tgtgccagct cttaatgac ttcttcagtg   1740
gtcaatttgg cgtcaatagc caagaaggca tcttctaaag ccttctgtag cttgccttcc   1800
ttgtaggcct tctgatcttt gatgatatca ggaagatatt tggcacagta caaggcaact   1860
tcctcccctc catgtccatc gtagacagaa aacatggctg tctcactgtc cagctcagga   1920
atacagttgt gagcatcctc catggagacg cgccagcctt gcatggcgga gaagccgtag   1980
ggcagcggca ggcgcggggc gccgaccccg tccccggagc acttcaccgt gttgggctgg   2040
gagaggtagg cacccatggc ggcggctggc cggcggcctc aggtgcagga aagctgggcg   2100
cgacccgtgc tcgtgccgaa gccccggggg tgcgcgcggc aggagcaggc cccgcggcgc   2160
gaccgacgca aggtgccggt gaaaggcgcg aggccggcca ggaggcggta acgggacggg   2220
agctgtgagg gagcggaagc gcggggggg aagaataatt taattaagga tcct          2274
```

<210> 8604
<211> 705
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (46)...(706)
<223> similar to gi5924011 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8604
```
cgcacgagct tatctccttc gcagtgcagc tccttcaacc tcgccatggc ctctgccgga     60
atgcagatcc tgggagtcgt cctgacactg ctgggctggg tgaatggcct ggtctcctgt    120
gccctgccca tgtggaaggt gaccgctttc atcggcaaca gcatcgtggt ggcccaggtg    180
gtgtgggagg gcctgtggat gtcctgcgtg gtgcagagca ccggccagat gcagtgcaag    240
```

7184

```
gtgtacgact cactgctggc gctgccacag gacctgcagg ctgcacgtgc cctctgtgtc    300
atcgccctcc ttgtggccct gttcggcttg ctggtctacc ttgctggggc caagtgtacc    360
acctgtgtgg aggagaagga ttccaaggcc cgcctggtgc tcacctctgg gattgtcttt    420
gtcatctcag gggtcctgac gctaatcccc gtgtgctgga cggcgcatgc cgtcatccgg    480
gacttctata accccctggt ggctgaggcc caaaagcggg agctgggggc ctccctctac    540
ttgggctggg cggcctcagg ccttttgttg ctgggtgggg ggttgctgtg ctgcacttgc    600
ccctcggggg ggtcccaggg ccccagccat tacatggccc gctactcaac atctgcccct    660
gccatctctc gggggccctc tgagtaccct accaagaatt acgtc                     705
```

<400> 8605

```
gcggccgcgc tctgactcgc tgtgcgcccc gcttccgtcg ggcggcggga ggcggcggac     60
cgagagccgg agaccggcgc cgcgggacgg aagcgagcgg gcgcgggcgc cgcgcagatg    120
gcctgggcga gccaggtctg aggccccgct ccccgaaacg tgaccatgtg gattcaacag    180
gcctgggcga tcagctccat gtccatccgc tggccgggcc gccccctcgg aagccatgcc    240
tggatactga tagccatgtt tcagctcgcc gtggacctgc ccgcctgtga ggccctgggc    300
ccggggccgg agttctggct cctgccgcgg tcgccgcccc ggccgccccg gctgtggagt    360
tttaggagtg gacagccagc gcgggtcccg gccccggtgt ggagcccccg gccgccccga    420
gtggagcgga tccacgggca gatgcagatg cctcgagcca gacgggccca caggccccgg    480
gaccaggcgg ccgccctcgt gcccaaggca ggactggcca agccccccagc tgctgccaaa    540
tccagcccctt ccctcgcctc ttcgtcctcg tcctcgtcct ccgcggtggc cggtggggcc    600
ccggagcagc aggccctcct gaggaggggc aagaggcacc tgcagggga cggtctcagc    660
agcttcgact ccagaggcag ccggccccaac acagagactg agttcatcgc ctgggggccc    720
acggggggacg aggaggccct ggagtccaac acatttccgg gcgtttacgg ccccaccacg    780
gtctccatcc tacaaacacg gaagacaact gtggccgcca ccaccaccac caccaccacg    840
gccaccccca tgacgctgca gactaagggg ttcaccgagt ccttggatcc ccggagaagg    900
atcccaggtg gggttagcac aacggagcct tccaccagtc ccagcaacaa cagggaagtc    960
acccagcccc caaggattct gggggaggcc tcaggtctgg ctgtccatca gatcatcacc   1020
atcaccgtct ccctcatcat ggtcatagct gctctcatca caactcttgt cttaaaaaat   1080
tgctgtgccc aaagcgggaa cactcgtcgg aacagccacc agcggaagac caaccagcag   1140
gaggagagct gccagaacct cacggacttc ccctcggccc gggtgcccag cagcctggac   1200
atattcacgg cctataacga gaccctgcag tgttctcacg agtgcgtcag ggcatctgtg   1260
cccgtgtaca ccgatgagac gctgcactcg acgacggggg agtacaaatc cacatttaat   1320
ggaaaccgac cctcctcttc tgatcggcat cttattcctg tggccttcgt gtctgagaaa   1380
tggtttgaaa tctcctgctg actggccgaa gtctttttta cctcctgggg gcagggcaga   1440
cgccgtgtgt ctgtttcacg gattccgttg gtgaacctgt aaaaacaaaa caaacaaaac   1500
aaaacaaaaa agacaaaacc taaaactgag ctatctaagg gggagggtcc ccgcacctac   1560
cacttctgtt tgccggtggg aaactcacag agcaggacgc tctaggccaa atctattttt   1620
gtaaaaatgc tcatgcctat gggtgactgc cttctcccag agtttttcttt ggagaacaga   1680
aagaagaaag gaaagaaagg aaccagaggc agagagacga ggatacccag cgaaagggac   1740
```

```
gggaggaagc atccgaaacc taggattcgt cctacgattc tgaacctgtg ccaataatac   1800
cattatgtgc catgtactga cccgaaaggc tcggccgcag agccgggggcc cagcgaatca   1860
cgcagagaaa tcttacagaa aacaggggtg ggaatctctt ccgatagagt cgctatttct   1920
ggttaatata catatataaa tatataaata caaacacaca cacacacttt ttttgtactg   1980
tagcaatttt tgaagatctt aaatgttcct ttttaaaaaa aagaattgtg ttataggtta   2040
caaaatctga tttatttaac atgcttagta tgagcagaat aaaccagtgt tttctacttt   2100
ggcaactcac gtcacacaca tattacacac atgtgcgcat acacacacac aatacacata   2160
catgcatata gacgcatcta ttggaaatgc agttccacag gtgagcatgt tctttctggt   2220
gacctggtat tccatcacca ttcaccccag gggacagcct cgaccgagac aaggaggccc   2280
ttaaatgaca gcctgcattt gctagacggt tggtgagtgg catcaaatgt gtgacttact   2340
atcttgggcc agaactaaga atgccaaggt tttatatatg tgtgtatata tatatatata   2400
tatatatata tatatatata tatatgtt tgtgtgtgta tatatatata tatatatata   2460
tgtttgtgtg tgtatatata tgtttgtgta tatatataca catatgcata catatgattt   2520
ttttttttc atttaagtgt tggaagatgc tacctaacag ccacgttcac atttacgtag   2580
ctggttgctt acaaacgggc ctgagcccct ggttgggtgg gtggtggatt cttggacgtg   2640
tgtgtcatac aagcatagac tggattaaag aagttttcca gttccaaaaa ttaaaggaat   2700
atatcctt                                                              2708
```

<210> 8606
<211> 917
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (504)...(208)
<223> similar to gi3367707 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8606
```
ttttttttcc acagagcaaa aattagattg aattagcttt gatgtagtac ttgtttaagc    60
acagatttac gttgtcttag agagtaggag attgtataga atctatgctc gtagtggact   120
atatagaaac tagaaatgca gttatactga tgtagtgcag tttgtgggaa atcaggaatg   180
gtgttctcca gaatacatga agattctcat tgattgttgc aaggaatcac gaaagagatc   240
tttggtccaa agaaaacgtc ttttgggcag cagagcaatt cgctgaagtt gcagtaacag   300
atcatctcac atcccttccc atcccagaaa tgatcctgga cattgacatc aatctgtgtc   360
aggtcagcta ctccttccgg aaggttgtga cagttgtgat cttttagtat ctttctgtag   420
caagagaggc gatttgcagg catggcttga actcctagca gcaaagttag cccaatggtg   480
aaaacaagta ccatcagttt cattttggct tttggccctt tttcttcttt ccttttggtc   540
ttggcagagg atgcttctta aatgctcaca ctcactgggt gagtttgggc aaaaggagaa   600
gagaggaggt gctggaagga gcttctttac aaatgaacct ttgtctgcct tgtctctggc   660
ctggatcga cagactcgct gctccagccc aggactgtgg ggaggagggg agtggaagga   720
gacaaggctg caaggactgc ctcctttgga agtgttcagt ttgttccaaa ccaggcgaga   780
acgaatagaa cagcttcttt acagagggaa ataactagcc tatacaagaa cctcagggag   840
gcagactctg gtagcaataa aacataaaac ctgagggatt ttaaaagaac acagcgtgat   900
ttttcccctta agaaaag                                                  917
```

7186

<210> 8607
<211> 2404
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2352)...(1247)
<223> similar to gi1869810 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8607
```
tttttttttt ttgtagaaag agacatttaa tacttctgtt tacaaaattc aggcgtacat     60
ttcagtttgc cctggaccgt gcccaaagct gtgtgctcat ctctgcgccc ctcatgtact    120
tctgacgagg ggggtgcagg gcagggcaga gcagagcctg gggtccggag gcttcactgg    180
accacagggg gaggggaatg tgaatgtggc ctggcccaga gaactcccca tttcatcgat    240
tttgcattgg gcgatagagg aagcagatgt cggggctgcc tgccttggtc tagaggagat    300
ggctggggcc acttcccaca gggtgaagtg gcagcggctc agcaaggga gcctggccac     360
caggggctgg gacatgcgct cactggaacc tttgtgcttg gccctcggca gcgcggctgt    420
ggtcccgtgt gaggtgtgct ggggtgggtg tgggtggcag cttgtgccag    480
agtgacacag gcctccctgg gttgggatgg gggcagttaa aaagctgaaa aggtacttgg    540
ctttctgagg gcggggcttg ggaggcaggg ccctgcagga gaccatgttc tctgtcctca    600
ggcagatccc agctggcctc tgtccccggg ctgcaagctg acagcaggcc cgggaggcgg    660
tgaggccctc tgccctggcc ttgaggagaa ggagtgcgtg tgtgagggatt taaaaccagg    720
gccctggagt agggccaggg cccatcacca gcaccaggct gggagggatt taaaaccagg    780
gtcctatctc tgagccaccc catgggggacc ctcgatccca tcctgttaag gctgcgggac    840
tcgagggtag gcagtgggcc gggccccgt cgggtcagga cggaggtggg ggctgcccca    900
gaggaacatt agtgtttcta agagcacctt agtgttgccc cgcctcggcc agctgggcga    960
gaagttgggg agcggggggat gtaagtggcg cccatggagt ggggaaggga gccgtcaccg   1020
ttgggagtca gcgctagtgt aaacaggcat ccccacccac ccagataagc cccccacccc   1080
aagtgtgggg tcctgctcag ggagtacctc aagggccggg gcccaggtgg cgccggcagg   1140
ctcagacacc gccctggcag caggggctcc gtggaatgca ggagacccag caggggtgc    1200
cggccagtgt ggacggaggg gcggggcggg gacacgggtg agtcactgcg gcaggggcac   1260
aagcacctcc acgtagctga gcgggaagaa gcccgactgg ccgtccagca tgccctcgta   1320
ccagttctca tcgatctggt tggtcagcgt gatgacgtcg ccctcatgga agcccagctc   1380
cccgtcgttc tcgggctcga agtcgtacag cgccttgcag ctcggctggt ccaggggcgg   1440
catgctccgg ctaggggtcc ggatgggctt gtcggaagat cggaaagacg atgaagctgc   1500
gatcttgggg gctgtggtgc aggggaagcc cccgttggac tgctcaggct ctccaaggtc   1560
aaagggctcc cggggcttcg gcttatactc ccgcttaggg cgtgaggaag cttcccgcat   1620
cctgcgcttg agcttctccg ccagctcgtc caggatctgc acggcctgcc ggtggtagtc   1680
cagctgtgca tccaccaggg ccgagagctg actcacctgc tcgatgtcag tctccaggag   1740
gttgtgcatg ctggtttctg ccacctcctt ggactcctcg aacttctcca gcgcctggcg   1800
tagctcctca tcggggatct tgccctgccg cttcttcttg tagtcaaagt ccaggcggcg   1860
gccctccagt ttcttcaggt ggtgctggat ctccttcagg tctttctcgc acaggttctg   1920
gaggggtca atgaagttct gcttgacctc gatgtccagg gagtccttca cctctgccag   1980
gcgcttcatg gactcgccgg catccagcaa tgcgtcacca aagttggact cgccgcccag   2040
ctccttcccg tggcggatca tgcactcgcc cagaagcccc tccgactgcg ggtagccggg   2100
gttcttcacc tggccccgga tcttggacac cgtgttgagc atggtcagct tagcccgcga   2160
ggctgggttg ggctgcaggt actcgatggt cctggccagc acttctgtca ccgccttgct   2220
ggtgacatcc accttcttct ccatctcttt gaagtcatca tccagcttgg tccctcggc    2280
ccctccgacc ttctcactga ccagctggct cgccttgtag aactgcttct tcagccccgc    2340
caccgacatg ctgccgcccg ccgcagagcc tcccgcccgg accgcgccag cgacaggcac    2400
gaaa                                                                 2404
```

7187

<210> 8608
<211> 694
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(695)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (509)...(0)
<223> similar to gi4062247 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

```
    <400> 8608
tgaggtcagc gcgtagagtt cgaaatcact aacggtgcca aggcccttct gctgcaaacg      60
taatcgctct gtaagatacg tcagcaagaa ttcaaaaccc gcttaatcag cgggtttttt     120
ttggtcttta gtgtgcggnt gaggccgaaa acagccagaa tgccagtgcg gtcatggcaa     180
aagaccccag aaggttgacg aaaacgttca gtaatgccca gccaaagcgg ccctcttgta     240
acaaaaacac cacttctgcc gaaaatgttg agaaggttgt tagaccgcca caaaatccgg     300
tggtgattaa tactttccac actggatcaa tgttcgtcat cctgctgaac catgcgaatc     360
ctattcctat gatgaatgcc ccaatcaggt ttgctgtcag cgtccccaac ggaatcgcct     420
gatgcagtgg gttaaatcgc atacttagca gccatctcgc cacgcttgcg gtccccccgc     480
caataaaaac tgctaaaaga agttgtaacg ctgcaaaatc ctgctatttg atttgtatga     540
gtgataagtg taacgccgaa taatcgtcgt tggcgaattt tgcgcctctg acaggaggtg     600
gcaatgctgg ttgccgcagg acagtttgct gttacatctg tgtgggaaaa gaacgctgag     660
atttgtgcct cgttgatggc gcaggcggct gtaa                                 694
```

<210> 8609
<211> 668
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (330)...(16)
<223> similar to gi42543 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8609

tctgcaggaa ttctttaacc tttgaccttc ggcattgcga tgtctttcag gccaccggcg   60
ttctcaacgt gggtatatcc catctcgcta aggatctctt ttgcttgccc tgactggcgt   120
ccggcattgc aatacacttt cacggtgtcg tttttatccg gaacggcggt ggcaatgcgc   180
tctttcactt ccttcagggg aatattgatg gcccccctgaa cgtgctcttg ctgatactgc   240
tctggaacac gaacatcgat ccagtgttca gcggcgaaaa cgggcagtga aaacaccagt   300
gccagagcaa gtaagccttt tttaaacatg taagcgtcct tctatggatg aaaattgcca   360
tccattatac gcctgagatt taacaatttt tgcgaaactc ccctcacctt ttataacgct   420
gtgccagttt attagcagcc cgacttaaca gcggttccag cgccacagcc agcaacattt   480
tcagcggtcg gcgagcaact gattttatcg cccagcccgc cacacccgcc gggccatagc   540
gcagtgcggt aagaagtacc agcttgcctg ctaatttgaa accaggcttt accttttgcc   600
cggcctgttg ccagcgagta tccataactt tcctcacagt tgacggaaac ggctacgaaa   660
cgggaaag   668

       <210> 8610
       <211> 1988
       <212> DNA
       <213> Homo sapiens

       <220>
       <221> misc_feature
       <222> (1)...(1989)
       <223> n = a,t,c or g

       <220>
       <221> misc_feature
       <222> (1779)...(862)
       <223> similar to gi598231 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters

       <400> 8610
       tttttttttt ttagatttgc attcccgatc ttgggtttat tcaacacaat tcttccactc   60
       tacacaacaa agtacaaaca caatgtcatc taaaatgcta caaaggtata aaactcaaaa   120
       gagaaatttt atagtactga ctgtacaatg aaagcaaaaa agaaaaaaaa taaaagcaat   180
       gtacatgttg ccaagataac ctgaaagacc accatgaacg gcaggcacaa ccatggctgc   240
       gtgatgaccc cgcagagctg gctctcaact cactcgccaa tttcagagta cagtggtggg   300
       gtgcggtgtg tgcatcggtg cacggacaga cagaaccacg agcagcaact accatgggtg   360
       agaggatctt tgaggggggtg tgacccttga ggtcagaaga ggcctcgaga ggccaggcct   420
       aacagggttg gcagctgcac taaagcctgg ggcagctccc tttccaaaag gacactgccc   480
       agcaacagca agggcacggc ctggccacca tcccaggtca tcggggaagg gaaaagtgtg   540
       ctcccaggta agcagggtca aaccacccca aagagcctca ctttttccctg gtggctctgc   600
       cactgaactg actcttagaa accggaaacg gatgagcttt ctagccagaa aaccggaggg   660
       aatcttgaca ggcacacagc atccaaacca acagcacttc tgcagccggg gcccggctgg   720
       cagaggggtg ctgcctgctg cctgcaaatc ctgccagagt caagggtttg ctttcctact   780
       ggtcttcctt tggctagaaa agtgacaaaa ctgagctggg tggggtataa gttacagggg   840
       cgagagcttc agtggcctgt ttatcgggag gagttggagc tggagcggct cctgtggcgg   900
       cggcggcccg gggaccgtga tctccggcgc acgggggacc tgcgcctcgg ggagcgggac   960
       cttctcctca tccgtggggg agacctgcgc cacataggcg gtggtggcaa cattctcctg   1020
       ggagggctga atctcctggg gggtggccta ggccaggggg ccagcacggc ggtggcagtg   1080
       atctcctggc catcaatttg tcctccatcc atgtgcttca gcgccttctc ggcttcatct   1140
       ggattctcaa actctacgta cgcatagcct ttggacagat ggggatgcat cctttccacg   1200

```
ggcatgtcaa tcattttaat tttcccatag gtggaaaata tctccatgat gtgatccttt    1260
gtcacattcc gggtgagtct cccaatgtgc actttggtgg gcttaggaga tgggctccgc    1320
cttttcctct cctttcatc tcttttaggt ggtttggatt tggagcggga gcgcctcctg     1380
ttgtcgtgtc tgcgccgaga aggacttgga gagccagaag agctgctaga gctggagctg    1440
cgggaggtgc tggagcttcc tgagcggctg gatgctgagg aagagctgga gccactgctt    1500
gagccagtgc tggtgctgga gcctgagctg gaagtcgagc tggaccgaga cctggtactg    1560
ctgctaccac tggaagcgct gcgcctcttt cgggtttttgt cccggccgcg atccttctca   1620
ctcgactcct tggtggcccc tttatctttt gagcgatcct tggacttctc atctgagcgg   1680
tctttgcgtt tggtaggtga aggagcccta gtgctggact ttttattatt ttctttgact   1740
cctagcaagc tcttcttttt cactcctgat aaatccattc tcccttctg aggtgttcaa    1800
agcagcaatg gcggcctcac ttatctgaac tctcacttct aacttgattc tgagaaacga    1860
tccctaatcg attgcaattt acgccaaaga gcagcatctt cccgccgccg ccacctcctc    1920
ctgctttcct cagccgccga ggccccccctt ctgtcgtctt ctagcaggat agtagtatag    1980
cnacgtat                                                             1988
```

<210> 8611
<211> 704
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (240)...(557)
<223> similar to gi453964 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

```
<400> 8611
atccttaatt aaattaattc ctccccccccc ccccccggca ggctccaggg gcggggcgtg    60
gccggggcgc aacgacgggc gcggaggtcc ggccgggcgc gcgcgcccc gccacacgca    120
cgccgggcgt gccagtttat aaagggagag agcaagcagc gagtcttgaa gctctgtttg    180
gtgctttgga tccatttcca tcggtcctta cagccgctcg tcagactcca gcagccaaga   240
tggtgaagca gatcgagagc aagactgctt ttcaggaagc cttggacgct gcaggtgata   300
aacttgtagt agttgacttc tcagccacgt ggtgtgggcc ttgcaaaatg atcaagcctt    360
tctttcattc cctctctgaa aagtattcca acgtgatatt ccttgaagta gatgtggatg    420
actgtcagga tgttgcttca gagtgtgaag tcaaatgcat gccaacattc cagttttta    480
agaagggaca aaaggtgggt gaattttctg gagccaataa ggaaaagctt gaagccacca    540
ttaatgaatt agtctaatca tgttttctga aaatataacc agccattggc tatttaaaac    600
ttgtaatttt tttaatttac aaaaatataa aatatgaaga cataaaccca gttgccatct   660
gcgtgacaat aaaacattaa tgctaacact ttttaaaaaa aaaa                     704
```

<210> 8612
<211> 1748
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (224)...(1195)
<223> similar to gi475210 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8612
cacagagctc cctcccaggc ccgcgaactt ggccattcag ccgccgctgt ccccgctgcg   60
cgccctcgcg cctctgcctg agaagccagg cgctgttccc ccaccccaga agaggatggc   120
aaaggtggct aaggacctca acccaggagt taaaaagatg tccctgggcc agctgcagtc   180
agcaagaggt gtggcatgtt tgggatgcaa ggggacgtgt tcgggcttcg agccacattc   240
atggaggaaa atatgcaagt cttgcaaatg cagccaagag gaccactgcc taacatctga   300
cctagaagac gatcggaaaa ttggccgctt gctgatggac tccaagtatt ccaccctcac   360
tgctcgggtg aaaggcgggg acggcatccg gatttacaag aggaaccgga tgatcatgac   420
caaccctatt gctactggga aagatcccac ttttgacacc atcacctacg agtgggctcc   480
ccctggagtc acccagaaac tgggactgca gtacatggag ctcatcccca aggagaagca   540
gccagtgaca ggcacagagg gtgccttta ccgccgccgc cagctcatgc accagctccc   600
catctatgac caggatccct cgcgctgccg tggactttg gagaatgagt tgaaactgat   660
ggaagaattt gtcaagcaat ataagagcga ggccctcggc gtgggagaag tggccctccc   720
ggggcagggt ggcttgccca aggaggaggg gaagcagcag gaaaagccag aggggggcaga   780
gaccactgct gctaccacca acggcagtct cagtgacccg tccaaagaag tggaatacgt   840
ctgcgagctc tgcaagggag cggcccctcc tgacagcccc gtggtctact cggacagggc   900
aggctacaac aagcagtggc accccacctg ctttgtgtgt gccaagtgct ccgagccgct   960
ggtggacctc atctacttct ggaaggatgg tgcaccctgg tgcggccgcc attactgcga 1020
gagtctgcgg ccccggtgct ccggctgcga tgagataata ttcgctgagg actaccagcg 1080
tgtggaagat ctggcctggc accgaaagca ctttgtctgt gagggttgtg agcagctgct 1140
gagcggccgg gcgtacatcg tcaccaaggg tcagcttctg tgcccaactt gcagcaagtc 1200
caaacgctcc tgaagggctg cccacccaca gccagaatcc acaggatccc accgagaagg 1260
agagccaggt gtgccgagac catcctaagg gtccgatgtg acagcaagca agtgaaataa 1320
acaatgattt gctttcagt gagaatatat atatgagata tatatagata tatattctag 1380
gttgggtggt ggtagatcct tgagggtcag tagtttcaaa accaaaaata ttctaagaag 1440
tcttaggatg gagttccttt tctttctgtt gttgtttccc agctacaacc aactaaagac 1500
acaaatggcg ttctgcaagg ggactctggg aggagttttc cagaatgcaa ttccgagtga 1560
gcaaatcgca tagctgtaga atgtgcgtgc tttttttgtgg acacaggagc tcctccagga 1620
gcaggctggg atcccaacta tcgcttgttg cctcttttttc aagtggaatt tgaattttaa 1680
ataaacaact tttttggca tgataaacag atcaataaaa gttttgtgaa ttccacataa 1740
aaaaaaaa   1748

<210> 8613
<211> 1453
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1443)...(554)
<223> similar to gi4929651 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

7191

<400> 8613

```
tttttttttt ttcattttgc ccaaatctga gttttatttt tgctggaatc aggtcatctg      60
gcctggctgt cccaccaacc cagctgggag cctctgagtg gcctgccagc agcatctcat     120
tacaaaacag cccccctggaa ccaggtagcc aaggaagcgg cccacctgaa aggcatttag     180
attgagaaga aaaactgcac cttcctgaca aaggtcaggg gtcacggtga agggagggct     240
gctgggatca cagggacagc agcatcttct agcagcttgg ccataccagc cactgaggtc     300
ctaactgcag ccaaggggcc gttctgcaca tgtcgctcac cctctgtgct ctgttcccca     360
cagagcaaac gcacatggca acgttggtcc gctcagccac tggttctgtg gtggaacggt     420
ggatgtctgc actgtgacat cagctgagta agtaacaacg actgaggatg ccgctgaccc     480
agggctgggg aaggggactc ccagctcaga caggcttggc tgtggtttgc tttgggagga     540
gagtgaacat cacagggaat ggctcatgtc agccccagga gggtgggctg gcccctggtc     600
cccgggctcc ttctggccct gcaggcgata gagagcctca acctgctgcc gcttctcctt     660
ggcccgggtg atggccgtct ggaagagcct gcagtagagg tgcacagcca gcggagagtc     720
gtcattgccg ggtacagggt aggtgatgag gcaggggttg cagttggtgt ccacgatgcc     780
cactgtgggg atgttcatct tggctgcgtc tctcacggcc acgtgtggct caaagatgtt     840
gttgagcgtg tgcaggaaga tgatgaggtc cggcaggcgg accgtggggc caaagaggag     900
gcgcgcgttg gtcagcatgc cgcccctgaa gtagcgagtg tgggcgtact cgccacagtc     960
acgggccatg ttctcaatca ggtacgagaa ctgccggttg cggcttataa acaagatgat    1020
gcccttgcgg taggccatgt gggcggtgaa gttcaaggcc agctggaggt gcgtggctgt    1080
ctgttccagg tcgatgatgt cgtggtccag gcggctccca aagatgtacg gctccataaa    1140
cctgtgccga cagccagctt tgtgtcccag atggactcgg gcatcgaaga ggcttctcac    1200
ggaaaacagt tccttgacat tgaagaagtc agagtgcttg aggggctcat tcaaaatctt    1260
gtcgttgaaa tcggtgctgt cctccgactc gcggatcata agggccgtcg cgcttccaag    1320
cgtcctgcgg ctcggccgag caggccgggg ggtcgccttc ccgagaaagc ccaaccagcg    1380
cgacggggcc cgggcacccg cgccgagtat tcggggcagc gcggccgagg atgtcgccat    1440
                                                                     1453
ggctgggacg cgg
```

<210> 8614
<211> 7135
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (80)...(1254)
<223> similar to gi1665783 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8614

```
atcgtagact ctagtccctg tggaggaatt cgtgccgatc cctagtgtcg actatgcgag      60
atctgattcc ggagctgcca tgattgaagt ggtagcagag ctcagccggg gtcctgtatt     120
tttggctggg gaggcgctgg agtgtgtagt gaccgtcacc aacccccttc cgcccacggc     180
cacttctgca tccagtgagg ccctggcctg ggcagtgcc caaatccact gccagttcca     240
tgccagtgag agtcgagtag cactgcctcc tcctgactct agtcagccag atgtccagcc     300
cgacagccag actgtctttc tgccacaccg aggtgagagg ggccagtgta tcctttctac     360
tccaccgaaa attctattct gtgacctgag gcttgatcct ggagagtcca aatcatactc     420
ctacagtgaa gtgctgccca tagagggacc accctccttt cggggtcagt cagtcaagta     480
cgtctacaaa ctgaccattg gctgccagcg tgtcaactcc cctatcactt tactcagagt     540
ccctctgagg gttcttgtgc tgactggcct tcaggatgtc cggtttcccc aggatgaggc     600
```

```
tgtagcccca tccagtccat tcttggagga ggatgaaggt gggaagaaag attcatggct   660
agctgagctg gctggggaac gcctaatggc tgccacatcc tgccgcagcc tccatctata   720
caatatcagt gatggccgag ggaaagttgg gacgtttggc atcttcaaat ctgtgtacag   780
acttggcgag gacgtggtgg ggaccttaaa cttaggggaa ggaaccgtag cttgtttgca   840
gttttcagtc agcttacaga ccgaggagcg tgtacagcct gagtaccagc ggcgacgtgg   900
ggcagggggt gtccctctg tgtcacatgt gactcacgcc cggcaccagg aatcctgcct   960
acatacaact agaaccagct tctccctccc aatccctctc agctccaccc caggcttctg   1020
tacagccatt gtgtccttga agtggagatt gcattttgaa tttgtaacgt cccgagaacc   1080
aggattggta ctcctacccc ctgtggaaca gcccgaacct accacctgga caggacctga   1140
gcaagtacct gtagacacct tcagctggga cctgcccatc aaggtgctgc ctactagccc   1200
caccctggcc tcatatgctg ccccaggccc cagcaccagc accataacca tctgaaactg   1260
gcccaccctg gtgctagttc cttccggata ctgagaactc agcacctgga ctctaatggg   1320
acccactttt tccacctggg gtccaatgtc gtggacagtg agagtcgggc tttcagctat   1380
agcattaatt tatttgttca gaatacattg gcagctgcta gtggtttccc tggaagtggc   1440
agcagcagtg agcagtcagc agatggatga tcagttgagt ttagctggag tggggagcag   1500
gagccccagg aacaggggtg ttggctgagc cccattctgg gtcaggccct ccccctttgc   1560
agggcagccg agggtcagat ttttgcacca aggagaactg gcaggttcct gcctcctgac   1620
gtacctcaca cccagccggg aagtcgatgg gatgctggga cctggggaac caaggatagg   1680
ggaaggagtc agcacagtga aaggctgcct ttatccctgc ccacatgttc cctctctcac   1740
agttttcccc ccacagagcc cctttcagtg gccccttggt cctcctaact aagctgtcac   1800
ctaccatatg tgggcctttt tgttttataa caggagtatt ttctctccag gtccacccca   1860
acctcccctg atttatagcc tgaagcctta tctttcacac tagtgttggt cccttcaggt   1920
ttggcccatc ttgtattgct cttctgttca ttcttacatc acagcaatct agtcactccc   1980
tggtcatccc tcagtcactc atatcagagt cattctctct ggccatcttt ggtcactcac   2040
gtgtcacagc agcccacgcc aacaggatgc agacaggtgc aatggaaaca gtccttgcgg   2100
agccaagact cacccagggt aaaatatttc ccctcatagt gacaggggc tagggaagaa   2160
cgggaaatgt tagtaggtgt aggagtgctg atgagaggca gaggctcttc tggtctgggg   2220
tggagacagt aagtacgcac tatccccgta tttagtttgt cttcctgtt tcacagctgg   2280
aggaagcctg ggtattttga cacgggatca tctgtaaggc cccatcctcc ctgtgccctc   2340
tctgctgctc ctccattcct aacgcttcac cccactttac cttgagcttg gaagtagcac   2400
ttgctgtaga ctcctgggtg ctggaggagt agagacatca ccaagcagat gatcccccag   2460
cctcctagga tcccccttggc ctgtccagcc cagagcatcc ttagggccat tgctgctgca   2520
cagccctctc agacccttct tggcctctgc tcagctactc tggtcttgac tccttgactt   2580
tgctttgcgt tgctccttga gtcttagttt ctgtcttct cccctgggct cctgtctcac   2640
actatctccc tgccctctgc tctcacaggc tggggatgtt tataaagtga ggaccctggc   2700
cccctgctga gtagagctgg aaaagttgta actctgtttc ctgaggtgag ggcatgaaaa   2760
caagaggtct agctttaaca agctgtgaga gctgattcat gccccggcac agctagaggg   2820
agggaggtgg ccatggaggg ggcactggac tgggcacttc cccagcaagg aggcaggagg   2880
ggcgagggcc cccaggtggt ccccagatct cttccctgac ctggagagaa ggaagcattc   2940
caccttcccc ctttctcccc cactgccacc accagggtg tgtatgctgg gatccctgcc   3000
tggaccggag ggaggcattt cctggggat gttaatcctg tgccccagcc aaacccagga   3060
gctgcaatag ggtgcgacgg ccagaagctc caggagagtg agcaggcacc tggagtggag   3120
actgtgtttc cctcagatcc tagggcaggg tttccctaat gtatccaaga aatagggctg   3180
cccctcagag atggtgggga gggtctcttt tcctcaggca ttccagaggt gaactgtcca   3240
ttgcttatca ccttcaaaca tacagcagat gtgggatcac cccacatctg gggatggttc   3300
tttccccttt caaagaggag catctctaag tgccctgatg ggatgaatca ctccaggttc   3360
acagaggtgt cctctctttc ctcccatata taatggagtg aggttttag gaatttatca   3420
tttggcatcc tctgagtttc ccacaggttc tggaggagcc caggatggat tattgagagc   3480
atgggctgta gagacagtct tcttggattc agatcctgac tccacttaac tatgtaacct   3540
ggtcagatta cttcacctct ctgagcctgt ttcctcatct ataaattggg gatagtaatg   3600
ccaactcatt gggctgttat gaggattact gagataatgc gtgcagtgct cttatcacca   3660
tctctggtgc gtaagcgtca ggaaatagca gttgctgtga ttggggctaa agctctgagg   3720
caaaatgggc gacattattt tctttgaatg acattaagca gtttgtgcat agctgagggc   3780
ttctattggg gatggctgtc tcctgggcat agacctctgc acctttcaca ctcatactcc   3840
ttgtcagcag tccccaacct ttttggtacc agggaccggt tttgtggaaa acaattttc   3900
caccagtgga tggaggggga tagcagcggg gagatgattt tgggatgaaa ctgtttcatc   3960
tcagatcatc aggcattaga ttctcataag gagtgtgcaa tctagatccc ttgcatgcgg   4020
```

7193

```
agttcacagt gggggttttgca ctcctgtgag aatctaatgc ctctgctgat ctgccaggag   4080
gaggagctca ggcggtaatg ctcactcgcc tgccgcccac ctcctgcttt gtgctcccgc   4140
ttcctaacag gccacagact ggtactggcc tgtggcctgg gggatggaga cccctaatcc   4200
atgtcacctt tcccacctct ttcaaaaaca ggtacctcca ggaacatttt ggttttggcc   4260
cttgtattga cttctgaatg tctagtttga gaaactgttc ccaaataagc cttcttcccc   4320
cagatctgca ccctcgcctc taccctagga caagatgtcc ttttctcatc atcctgccag   4380
gctaacttta agtctcctgc ttttctcac ttggatttgg atccatttct tcctatttcc    4440
gctcatgtga actctccagt tctcctttct caccactctc ctgctagcca tctctttggc   4500
actaaaggcc ctggtcaaat tggatttctt tcattttcc acacttcaaa gacccatgtt    4560
ctaggtattc tccataggga tagtctcttt ggcatttatt tggtttttct acgttttcag   4620
tcccatttac tccaagactc actccctgcc acctagtgca tcagatacag ctacttctgg   4680
ctgactttc aaggggggacc accctacctg tcatctcttc actgttcaga aatgactgtg    4740
tcagtgcacc tcaaactccc ttgctgtcct tttccaagga gacagctaag gtggatggag   4800
atgcagaatg gacctcacgt tcgccctagt caggactgat accctttccg tttcagagga   4860
ttgccaagaa aaaactcaca gttgaggcag ggtgctctga ggtcggctgc ggtgtgggag   4920
gcacggcctg ggcctgctct ctgggctgga gcaggtggat tcgaaggcct gtctagcacg   4980
agggcccaaa ggtcttgtca gtggccagta gctctgccgc ctttcccaga gaggggggtcc   5040
aggggacatc ctggaaggct gggccctggg ccaccttctg ctcttgcaag ctagagccag   5100
cccaataggg ggcggatgtg agtggggagc tggggcgcat gaaggtgggg gtgatgccga   5160
aggggaaggg atcgccagtg gggattggtg cgtgtgcgga aacggggaca gaagtgaagg   5220
ttcatcgcct ataacgaaga tgaggtaggc atataggggc ttctggaaag ctagaggctg   5280
ggctgagcca ggagtcctct cccagaagtt ggggggcggt gcagaggtgt gggtcgagcc   5340
cgcatgcgtg cctgctgggg aggggggtgag tggtgaggac caggcccgct gggtcctggg   5400
ggcgcggtgg ctggcgcgca ggtcccggag ggggcggctg gcgcgcacta cacgcttggg   5460
gacaaggaaa acatccgccg gaggcccggc cgggcggcgc tccagcctcg gggcaggtgc   5520
gcggagagga agtgagagca ttccggcccc cccacccaa ccccggccgc tggccctccg     5580
gtgagtcaca gccgaccccc gccgccggag ggagagggga gctgcgggcc agagcccgg    5640
agggtctgga ggagccagga gggtttctgg gagcagaggg tcacttagtg ggcttctgtc   5700
gtggtgtcgc tacgggcgcg aaacggacac tgaacacagt ctgactgaat ggaggcaggt   5760
ggggagggat ccctgggag aacttggcgg gccgagagca gacccccaggg caaggagggg    5820
cccccgaggg ggaaaccggg agtcgggcag gtggcgtaac ccagaaaggg aaggagagcc   5880
ggattgattg gggtgagaga ggaaggaagc acgccaagtt aggcctggga gaactgaggg   5940
acctgaggag ggaggaggga gaccaacaca gggtgggaag gcggaaatgg ccaaaccca    6000
ggcatcaggt ctgtccagag gctgacgtag acagtgaagg gtgaagggta ggttttagga   6060
gtagggggag ttatgattat ttggttacat tttgggatta tttggtctca caggtagaag   6120
ggagcctgct ggtctctgtg taacggatgg cttaaaagca aggttgtctg cgtcttggat   6180
tactgtctgc cattcagcct ttgccaaaaa atttggcact gatctgcaca tttttatagt   6240
catttaaaat tgtatgactc tgtcaaatga tttaagtaat tttggtggat tttttaaaaat   6300
aaaaaaataa aaatagaaaa gttgcacaat ctaattcaat atttgactta aaaccaaaag   6360
tgaggctctc agattggtaa tatggtattc agcctttttc ttgtttggct tttgtgccat   6420
ttgcccctca ctgacttgat tgaattcttt gtggctgatg cctcagtttt tctggatcag   6480
tagtgctgca cttccacttt tcctctccct cattttactg tctttatttt tagcctttt    6540
tctgtgtagc cctctaacct gccctttata ttttgaacca aataaaacat ttcttggaat   6600
cggagctttg gactacagta tacagacaaa caactcacaa ttttagcata tgaggctact   6660
atcttctgtg gatgtgtatg taattataca gtttctgtat ttatcctgtg gctgatagaa   6720
aaagttaaag ctgtttaatt caccatagta tttctacaac acagcaattt attagtctga   6780
cttctcttct aaaatcaact ctaaaatggt attttgtact tgtctcagag acgaattctg   6840
ccatgatcct tatgatctgt gttatgttgg gccaaaggtg attactttat aaattataaa   6900
gatccctaaa ctctgcattg cctttggtcc caaacaagca aatctgggtc aattaatgaa   6960
aaaaaaaaga aaggaaaaga aaatgtctta ctttgggccc tgttgcactc tcccgtgctg   7020
ttttagcccc agccctactc tattcccagg ggcctttgcc ttcattcctt ctttgctctg   7080
ctgggcatct tgagaggaaa acttcacacc gacttcctct actataaatt ctctg         7135
```

<210> 8615
<211> 828
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (673)...(484)
<223> similar to gi557242 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8615
agtccgtgtg ctggaattcg ccagtgtgga ggtgaggtgc agatctgaca tcctcacatg   60
actgcagttg taatcattac tgtggagcca ctaggggta atacacacac acatctaaga   120
cacagaggct cttgcctggg tttgcttaag gtcttgggcc ctagtcttcc tcaggagatt   180
agaatccctt caggaaacac ctctaacata ctaggaggct catctattat atacctgcta   240
catgtcagcc accattctgg gttcaatatg cattctctca tttaatcttt gcagtatctc   300
tgcaaggtaa gtattattat cccagttttg ctgatgtgga aatggagttg cagagaaatt   360
aagagatata ctcaagatca cagtgttcat gtgtcatgga gccatatttt gaatcctgtg   420
agagacttca gtgctgatga tcggatgacc agaccatcaa accatgctgg agccccaggg   480
ccgatggcct gagagtagaa gaaggagtag gctttgatag ctgagccccc aaaggtaaat   540
caaatttaac tttgttatgc taaggctata aaaaaaaatg gacatgaaga agttgaagca   600
gagcatgtag agtttgctga cagagttctc gaacaagcag ttacagaggc aaaccacagt   660
gaaacaacag aagaagggaa cctggtggag atggctgctg agaagttgct ccatgaactc   720
agaggaccta tagaagggcc tacctacact cattgtctta gagcagcctt gctaacccac   780
gggcagcgag ctgcatgtgg cccaggacag ctttgaatgc agcccaac   828

<210> 8616
<211> 4219
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (297)...(2551)
<223> similar to gi2281071 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8616
gcgcagagtc tgcggagggg ctcggctgca ccggggggat cgcgcctggc agaccccaga   60
ccgagcagag gcgacccagc gcgctcggga gaggctgcac cgccgcgccc ccgcctagcc   120
cttccggatc ctgcgcgcag aaaagtttca tttgctgtat gccatcctcg agagctgtct   180
aggttaacgt tcgcactctg tgtatataac ctcgacagtc ttggcaccta acgtgctgtg   240
cgtagctgct cctttggttg aatccccagg cccttgttgg ggcacaaggt ggcaggatgt   300
ctcagtggta cgaacttcag cagcttgact caaaattcct ggagcaggtt caccagcttt   360
atgatgacag ttttcccatg gaaatcagac agtacctggc acagtggtta gaaaagcaag   420
actgggagca cgctgccaat gatgtttcat ttgccaccat ccgtttttcat gacctcctgt   480

```
cacagctgga tgatcaatat agtcgctttt ctttggagaa taacttcttg ctacagcata    540
acataaggaa aagcaagcgt aatcttcagg ataattttca ggaagaccca atccagatgt    600
ctatgatcat ttacagctgt ctgaaggaag aaaggaaaat tctggaaaac gcccagagat    660
ttaatcaggc tcagtcgggg aatattcaga gcacagtgat gttagacaaa cagaaagagc    720
ttgacagtaa agtcagaaat gtgaaggaca aggttatgtg tatagagcat gaaatcaaga    780
gcctggaaga tttacaagat gaatatgact tcaaatgcaa aaccttgcag aacagagaac    840
acgagaccaa tggtgtggca aagagtgatc agaaacaaga acagctgtta ctcaagaaga    900
tgtatttaat gcttgacaat aagagaaagg aagtagttca caaaataata gagttgctga    960
atgtcactga acttacccag aatgccctga ttaatgatga actagtggag tggaagcgga   1020
gacagcagag cgcctgtatt gggggggccgc ccaatgcttg cttggatcag ctgcagaact   1080
ggttcactat agttgcggag agtctgcagc aagttcggca gcagcttaaa aagttggagg   1140
aattggaaca gaaatacacc tacgaacatg accctatcac aaaaaacaaa caagtgttat   1200
gggaccgcac cttcagtctt ttccagcagc tcattcagag ctcgtttgtg gtggaaagac   1260
agccctgcat gccaacgcac cctcagaggc cgctggtctt gaagacaggg gtccagttca   1320
ctgtgaagtt gagactgttg gtgaaattgc aagagctgaa ttataatttg aaagtcaaag   1380
tcttatttga taaagatgtg aatgagagaa atacagtaaa aggatttagg aagttcaaca   1440
ttttgggcac gcacacaaaa gtgatgaaca tggaggagtc caccaatggc agtctggcgg   1500
ctgaatttcg gcacctgcaa ttgaaagaac agaaaaatgc tggcaccaga acgaatgagg   1560
gtcctctcat cgttactgaa gagcttcact cccttagttt tgaaacccaa ttgtgccagc   1620
ctggtttggt aattgacctc gagacgacct ctctgcccgt tgtggtgatc tccaacgtca   1680
gccagctccc gagcggttgg gcctccatcc tttggtacaa catgctggtg gcggaaccca   1740
ggaatctgtc cttcttcctg actccaccat gtgcacgatg ggctcagctt tcagaagtgc   1800
tgagttggca gtttttcttct gtcaccaaaa gaggtctcaa tgtggaccag ctgaacatgt   1860
tgggagagaa gcttcttggt cctaacgcca gccccgatgg tctcattccg tggacgaggt   1920
tttgtaagga aaatataaat gataaaaatt ttcccttctg gctttggatt gaaagcatcc   1980
tagaactcat taaaaaacac ctgctccctc tctggaatga tgggtgcatc atgggcttca   2040
tcagcaagga gcgagagcgt gccctgttga aggaccagca gccgggggacc ttcctgctgc   2100
ggttcagtga gagctcccgg gaaggggcca tcacattcac atgggtggag cggtcccaga   2160
acggaggcga acctgacttc catgcggttg aaccctacac gaagaaagaa ctttctgctg   2220
ttactttccc tgacatcatt cgcaattaca aagtcatggc tgctgagaat attcctgaga   2280
atcccctgaa gtatctgtat ccaaatattg acaaagacca tgcctttgga aagtattact   2340
ccaggccaaa ggaagcacca gagccaatgg aacttgatgg ccctaaagga actggatata   2400
tcaagactga gttgatttct gtgtctgaag ttcacccttc tagacttcag accacagaca   2460
acctgctccc catgtctcct gaggagtttg acgaggtgtc tcggatagtg ggctctgtag   2520
aattcgacag tatgatgaac acagtataga gcatgaattt ttttcatctt ctctggcgac   2580
agttttcctt ctcatctgtg attccctcct gctactctgt tccttacat cctgtgtttc   2640
tagggaaatg aaagaaaggc cagcaaattc gctgcaacct gttgatagca agtgaatttt   2700
tctctaactc agaaacatca gttactctga agggcatcat gcatcttact gaaggtaaaa   2760
ttgaaaggca ttctctgaag agtgggtttc acaagtgaaa aacatccaga tacacccaaa   2820
gtatcaggac gagaatgagg gtcctttggg aaaggagaag ttaagcaaca tctagcaaat   2880
gttatgcata aagtcagtgc ccaactgtta taggttgttg gataaatcag tggttatta   2940
gggaactgct tgacgtagga acggtaaatt tctgtgggag aattcttaca tgttttcttt   3000
gctttaagtg taactggcag ttttccattg gtttacctgt gaaatagttc aaagccaagt   3060
ttatatacaa ttatatcagt cctctttcaa aggtagccat catggatctg gtaggggggaa   3120
aatgtgtatt ttattacatc tttcacattg gctatttaaa gacaaagaca aattctgttt   3180
cttgagaaga gaatattagc tttactgttt gttatggctt aatgacacta gctaatatca   3240
atagaaggat gtacatttcc aaattcacaa gttgtgtttg atatccaaag ctgaatacat   3300
tctgctttca tcttggtcac atacaattat ttttacagtt ctcccaaggg agttaggcta   3360
ttcacaacca ctcattcaaa agttgaaatt aaccatagat gtagataaac tcagaaattt   3420
aattcatgtt tcttaaatgg gctactttgt ccttttttgtt attagggtgg tatttagtct   3480
attagccaca aaattgggaa aggagtagaa aaagcagtaa ctgacaactt gaataataca   3540
ccagagataa tatgagaatc agatcatttc aaaactcatt tcctatgtaa ctgcattgag   3600
aactgcatat gtttcgctga tatatgtgtt tttcacattt gcgaatggtt ccattctctc   3660
tcctgtactt tttccagaca ctttttttgag tggatgatgt ttcgtgaagt atactgtatt   3720
tttacctttt tccttcctta tcactgacac aaaaagtaga ttaagagatg ggtttgacaa   3780
ggttcttccc ttttacatac tgctgtctat gtggctgtat cttgttttc cactactgct   3840
accacaacta tattatcatg caaatgctgt attcttcttt ggtggagata aagatttctt   3900
```

7196

```
gagttttgtt ttaaaattaa agctaaagta tctgtattgc attaaatata atatgcacac   3960
agtgctttcc gtggcactgc atacaatctg aggcctcctc tctcagtttt tatatagatg   4020
gcgagaacct aagtttcagt tgattttaca attgaaatga ctaaaaaaca aagaagacaa   4080
cattaaaaca atattgtttc taattgctga ggtttagctg tcagttcttt ttgcccttg    4140
ggaattcggc atggtttcat tttactgcac tagccaagag actttacttt taagaagtat   4200
                                                                    4219
taaaattcta aaattctaa
```

<210> 8617
<211> 8866
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (424)...(5912)
<223> similar to gi2224533 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```
<400> 8617
gagcagattc ctactgttct taaaggacag taatgccttt tgagtctggt ctgaagaaca     60
taacaggtct gtgatcagaa gtaggttgca tctctctcaa ctttaatttc cttagctata    120
cctgtaggga tgacttaagc ctaggggagc tcctatattt gggaagcttg tgcacaggga    180
agccttaaat gatggtgcct gcagattgga tctagtagaa attaggtcct tgggcatgga    240
tgcttgggga acctctcagt gacctcaggt gaacttgttg ctcgtagagc caagaggcga    300
agttaattca ggccttcctt ttgaccactg cccectcttc ctaggccttg gcccctccac    360
cagaggaagg tgctgccacg tgtctgctcc ttctgaacct ccaggtttct gctacgttgc    420
cccatggagg acacaccccc ctcactcagc tgctccgact gtcagcgcca ctttcccagc    480
ctcccagagc tctctcggca ccgagaactg ctccatccat ctcccaacca ggacagtgag    540
gaggctgaca gcatccctcg gccctaccgt tgtcagcagt gtgggcgggg ctaccgtcac    600
cccgggagcc tggttaacca tcgtcggacc cacgagactg gccttttccc ctgtaccacc    660
tgtggcaagg acttctccaa tcccatggct ctcaagagcc atatgaggac acatgctcct    720
gagggccgcc gcaggcacag gcccccacgc cccaaggaag ccactccaca cctccagggt    780
gagacggtgt ccactgactc ctggggccaa aggcttggct ctagtgaagg ctgggaaaac    840
cagacaaaac atacagaaga gacacctgac tgtgaatctg tacctgaccc cagggcagct    900
tcgggtacgt gggaagatct gcccaccaga caaagagaag gcttggcaag ccacccaggt    960
cctgaggatg gtgcagacgg ctggggaccc tccactaact ctgccagagc ccctcctctc   1020
cccatcccag ccagcagcct tcttagcaac ttggaacagt atctggctga atcagtagtg   1080
aacttacag ggggccagga gcccacccag tcccctcctg ctgaggagga gcggcggtac     1140
aaatgtagtc agtgtggcaa gacctacaag cacgccggga gcctcaccaa ccaccgccag   1200
agccacacgc tgggcatcta cccctgtgcc atctgtttca aggagttctc taacctcatg   1260
gctctgaaga accactctcg actgcatgcc cagtatcggc cttaccactg tccccactgc   1320
ccccgtgtct tccggctccc ccgggagctg ctggaacacc agcagtccca tgagggtgaa   1380
aggcaggagc cacgctggga ggagaaaggg atgcccacca ccaatgggca cacagatgag   1440
agcagccagg accagctccc cagtgcacag atgctgaatg gctctgcgga gctcagcacc   1500
tctggggagc tggaggacag tggcctggag gaataccggc cttccgctg tggggactgt    1560
ggccgtactt accgccatgc tgggagcctc atcaaccatc gaaagagcca ccagacaggt   1620
gtctacccct gctcactctg ttctaagcag ctgttcaatg cggctgccct caaaaaccat   1680
gtgcgggctc atcacaggcc caggcaagga gttggggaaa atgggcagcc atcagtccca   1740
ccagctcccc tgctgctggc tgagaccacc cacaaagagg aagaggaccc caccaccacc   1800
ctggaccatc ggccctataa gtgcagtgag tgtggtcgtg cttaccgcca ccggggggagc   1860
```
```
                                7197
```

```
ctggtgaacc atcgccacag ccatcggact ggagagtacc agtgctcact ctgtccccgc    1920
aagtacccca atctcatggc cctgcgcaac cacgtgcggg tacattgcaa ggctgctcgc    1980
cgaagtgcag acatcggggc tgagggtgcc cccagccacc tcaaggtaga actcccgcct    2040
gacccagtgg aggcagaggc agcccagcac acagatcagg accatgtgtg caaacatgaa    2100
gaagaggcca cggacatcac cccagcagca gacaagacag cagcacatat ctgtagcatc    2160
tgtgggctgc tctttgaaga cgctgagagc cttgaacgtc atggcctgac tcatggggca    2220
ggggaaaagg aaaatagcag aacagagacc acaatgtcac ctcctagggc ctttgcctgc    2280
cgagactgtg gaaagagcta tcgccactca ggcagcctta tcaaccacag gcagacccac    2340
cagacaggag acttcagttg tggggcctgt gccaagcact tccgcaccat ggctgccatg    2400
aagaaccact tgcgccggca cagtcggcgg cggagcaggc ggcatcggaa gcgggctggc    2460
ggtgccagcg gtgggagaga agccaaactc ctggcagcgg agagctggac ccgggagcta    2520
gaagacaatg aaggcctgga gtctccccaa gacccttcag gggaaagtcc tcatgggget    2580
gaaggcaacc tggaaagtga tggggactgt ttgcaggctg aatctgaagg ggacaaatgt    2640
gggcttgaga gggatgagac ccatttccag ggtgataaag agagcggagg cactggggaa    2700
ggactggaaa ggaaggatgc cagtttactt gacaacttgg acatcccagg tgaggaaggt    2760
ggtggcactc acttctgcga tagcctcact ggggtggatg aagaccagaa gccagccact    2820
ggccaaccca actcctcttc ccactctgcc aatgctgtca ctggctggca ggctggggcc    2880
gctcacacat gctctgactg tgggcattct ttcccccatg ccactggcct gctgagccac    2940
aggccctgcc acccaccagg catctatcag tgctccctct gcccgaagga gtttgactct    3000
ctgcctgccc tccgcagcca cttccagaac cataggcctg gggaggcgac ctcagcacag    3060
cctttcctct gctgcctctg tggcatgatc ttccctgggc gggctggcta caggcttcac    3120
cggcgccagg cccacagctc ctctggcatg actgagggct cagaggagga gggggaagag    3180
gaagcagtgg cagaggcagc ccctgcacgc agtccaccac tgcagctctc ggaagcagag    3240
ctgctgaatc agctgcagcg ggaggtggaa gcgctggaca gtgcagggta tgggcacatc    3300
tgtggctgct gtggtcagac ctacgatgac ctggggagcc tggagcgtca ccaccaaagt    3360
cagagttctg ggactactgc agacaaggct cccagcccct tgggagtggc aggtgatgcc    3420
atggagatgg tcgtggacag tgtcttggag gacatagtga attctgtctc tggagagggt    3480
ggagatgcca agtctcaaga gggagcaggc accccccttgg gagacagcct ctgcatccag    3540
ggtggggaaa gtttgttgga ggctcagccc cgccccttcc gctgcaacca gtgtggcaag    3600
acctatcgcc atggggggcag cctggtgaac caccgcaaga tccaccagac tggagacttt    3660
ctctgccctg tctgctcccg ctgctacccc aacctggctg cctaccgtaa tcatctgcgg    3720
aaccaccctc gctgcaaagg ctctgagccc caggttgggc ccatcccaga ggcagcaggt    3780
agcagtgagc tgcaggttgg gcccatccca gaaggaggca gcaacaagcc ccagcacatg    3840
gcagaggagg ggccggggca agcagaagtc gagaagctcc aggaagaact taaagtggag    3900
cccctggagg aagtggccag ggtgaaagaa gaggtgtggg aggagaccac tgtgaagggg    3960
gaggagatag agcccaggct ggagactgcc gagaagggct gccagactga agccagctct    4020
gagcggccct tcagctgcga ggtgtgtggc cgatcctaca gcacgccggg cagcctcatc    4080
aaccaccggc agagccacca gaccggccac tttggctgtc aggcctgctc caagggcttc    4140
tcaaacctca tgtccctcaa gaaccaccgg cgcatccatg cagatccccg acgtttccgc    4200
tgcagcgagt gtgggaaggc cttccgcctg cggaaacagc tggccagcca ccagcgggtc    4260
cacatggaac ggcgtggggg tgggggcacc cgaaaggcga ctcgggaaga tcggcccttc    4320
cgctgtgggc agtgcgggcg gacctatcgc cacgccggca gcctcctgaa ccaccggcgc    4380
agccacgaga cgggccagta cagctgcccc acctgcccca agacctactc caaccgcatg    4440
gccctgaagg accaccagag gctgcactca gagaatcggc ggcgacgggc tggacggtcc    4500
aggcgcacag ctgtgcgttg cgccctctgt ggccgcagct ccctggccg gggatctttg    4560
gagcggcacc tgcgggagca tgaggagaca gaaagggagc cagccaatgg ccaggggaggc    4620
ctggatggca cagcggccag tgaggcgaac ctgactggca gccagggact agagacccaa    4680
ttgggtggtg ctgagccagt accccacttg gaggatggag tcccaaggcc aggggagcgc    4740
agtcagagcc ccatcagggc agcaagctca gaagccccag agccactgtc ctggggtgca    4800
gggaaggcag gtgggtggcc ggtaggtggg ggactgggga atcatagtgg aggctgggtt    4860
cctcagttcc taactaggtc agaggagcca gaggacagtg tccacaggag tccttgccac    4920
gctggtgact gccagctcaa tggacctact ctgagtcaca tggatagctg ggacaacaga    4980
gacaacagct ctcagctgca gccagggagc cactcctctt gcagccagtg tggcaagact    5040
tactgccagt caggcagcct cttgaaccac aacaccaaca agacagaccg acactattgc    5100
ctgctctgct ccaaggagtt cttaaatcct gtggccacaa agagccacag ccacaaccac    5160
atagacgccc agacctttgc ctgtcctgac tgtggcaaag cctttgagtc ccaccaggaa    5220
ctggccagcc acctgcaggc tcatgcccgg ggccacagcc aggtgccagc ccagatggag    5280
```

```
gaggccagag atcccaaagc cgggactggg gaggaccagg tggttctccc tggtcaaggg   5340
aaagcccagg aggccccatc agaaaccccc agaggcccag gagagagtgt ggagagagcc   5400
aggggaggac aagcggtgac gtccatggcg gctgaggaca aggagcggcc cttccgctgc   5460
acccagtgcg ggcgctccta ccgccatgct ggcagcctgc tgaaccacca gaaggcccac   5520
accacaggt tgtacccgtg ctccctctgt cccaaacttc tccctaacct gctgtctctt   5580
aagaaccaca gcaggaccca cacggacccc aagcgccact gctgcagcat ctgtggcaag   5640
gcctttcgga cagctgcccg gctggagggc cacgggcggg tccatgcacc ccgggagggg   5700
cctttcacct gcccccattg tccccgccac ttccgccgcc gaatcagctt cgtgcagcac   5760
cagcagcagc accaggagga gtggacggtg gccggctccg gtaggggca tgaagggtcc   5820
caggaggagg tgggcacaca gtggagggg aagtccagcc ccaaagtcgg tgggggagca   5880
aggagtgaga ggagagagcc ccggggattc taagaggtgg gtggggctt ggctatgggg   5940
tgagagaagt agcttgagga tgtgctgagc tgagcacccg caagtcaggt ataacaaata   6000
gcagggtggg ttgggcagca cgtggggcg tggtcaggcc gaggctgcta cctgggctcc   6060
tccattacac tgtagccaga atggaatggt cttctgttc aggggaaggt cactgggtac   6120
cccctggctg ctgtgtctgg aaaccctcct gagtcagcca gtaaagtaat gacttccaga   6180
gaaaaagagg aagccattgg tttggtctag gttccattct ttcctggagc aggccgggtg   6240
ccagggaaca agggatgggg catgggctcc acggcttccc tgctgacttg gccacggaaa   6300
ctggttcact ggttggcacc ctactccctg tccctctttc cctgcgcctt gtctctgctg   6360
ctcctctcct tggaaactag acctctggtc cttccctgtc agtgttgctc ccatctcttc   6420
tctaaccttt attcagcccc ttttccctct gctgccaacg gccttttag gatccaacca   6480
aaccaccctt tctacctgcg caccctgcca ccctctgcac accttaact ggaggactga   6540
gtcacagata attgtttcct tgaagtccag gcccagctgc agcaacaaca gtcattagcc   6600
cgtgtcacat ccctgatcag agggcatctc cgtggggaat cgcctccacc cagcactgct   6660
ggaagccgcg gctgccaggg agtggggcgg ccggttccct cagcaggacc tgggctggcc   6720
tctccacctc ccctagtaga ggcggaccca ttccatctag tggccaccga gggtgggtgg   6780
ccctgagatg gtgggccctt gacaggcctt gtcagagcag agggcaggtg ggagtcacct   6840
gaaagctgaa ggaatggctt taaggataga agatttctca tgacctcaag ggatatgagg   6900
gaggagccag tttgccaggg ctgggaaaat aattaggagg cctagaatcc ctgttctcat   6960
ctgggcctcc ggggccaggg gcaggggaat ggcctgcagg gctgggaggg ggtacacgct   7020
gtgcggggtc tgcccctcag ttggtgacct cctctctctc tcccccaggg agccccagtg   7080
gcaccagtga cgggcagagg ggacttgcca ttgccccctc cacccacccc cacgacccca   7140
ctcctggatc cttcaccca gtggcctgca gacctcagct tctccctctg aacttcaagt   7200
ctccaaagat cagaatctgg gggagggagc gcgtgcaggg aggggcttga tctccacatt   7260
ttctcaggag tagttcgggc atccccatat cttctcctct ccccttgtga agaggaccca   7320
gatctggctt ctttcccaag gaggggggg ggtgttcctc gcgtccctgt ccttgaagga   7380
cctccttccc ccagcctcat caccgtgctc ttctcagcgc caccctcagc agccagattg   7440
caacaccagg gagaggcgga tgcagagccc caccggtggg aaagttgcct gtggaaggga   7500
gcctttgct acaatttgta acttatttc taaagtctat tttgtaacaa tttatttaag   7560
tttaaaaaaa ggaaaactgc tgcccccaa aaaaaagaaa ttttcaaaac aacgtggctg   7620
gcgtgattgt atctgaaagg gtaaaggagg aggaaagctg agacgcctgc ttggtagcag   7680
agttgggtgt gggagtgtcc acagacaccc ctgtcctgca gggtggggag tgggcacctg   7740
tggccccagg caggttcctt cccacagctg ctgggcttct gggcctgccc tggtgcctgg   7800
aatcacacat gacagggtgg ggaggacagg ggcagtaatg ccatttgcct gcctgcattc   7860
tcttgtcctg agaatggcca ggtcccctgt cagcagctgg ttggttggc tgtggggaag   7920
gaaggagggt ggagttgtcc tcatcctcat ggctttggtc cctccctccc tccccattcc   7980
tccaaggaac agggtctgtc ttggccgcca tgacagatga gaatactgag gctcaaagcg   8040
gttgagcagc ctgctccaag tcacacgatg acaaagaacc agaatctgaa tcaaatgggt   8100
ctgcctgttg ctccacccta cccaaggcag ctggagtggg ttagaacggc acgttctcac   8160
tggagagaga agggtcctgg agaggcaggg tttggcagga ggccccgggg ccacatactt   8220
atgttggcca ggcagcttcc aggctcagcc tcgggctctg gttcctcggc gaagtagacc   8280
tgccagtcca aactgctgac ccagtcctca taggcaggga gcgcggtgaa gaccgccggc   8340
ctggcggggc ctttggcaag catctccgaa gctgtgcagc ccggccagga accatgtgcc   8400
cctcacctca tgcaccagtg gtgccccaga caggccctgt caggggtcag gtgacactgg   8460
gtgactttt ataggcagct gtgcaggacg gtagagcagg ctagggaacc tctggctgtt   8520
tgggggctaa ttggcaaaaa ggcttagttt caggtgggag gtgggtccag aggccaagcc   8580
tggaaggtcc gttcttgagc tattgggtga ggggatgcca ggggcctgtt aggtaaggtg   8640
tggggggcctg gggctcacct cacagctggg cagctcaccc acagcactgg tacacaccat   8700
```

```
ccccggcaga ataggggctgc catcaccccc aggagctgca tgcagccggc tgcaggccct   8760
aggccccagg agggtcacgg gcactgtctg gagggagctg atgcctgtgg agcaagggaa   8820
agctggctgc cccggcctgc aggttggatg gacagcagcc ctggcc                 8866
```

<210> 8618
<211> 912
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (26)...(407)
<223> similar to gi4929709 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

```
          <400> 8618
tccagcgtgg cggaattcgt tgcaggaacc ttccctctac accatcaagg ctgttttcat    60
cctagataat gacgggcgcc ggctgctggc caagtattat gatgacacat tcccctccat   120
gaaggagcag atggttttcg agaaaaatgt cttcaacaag accagccgga ctgagagtga   180
gattgcattt tttgggggta tgaccatcgt ctacaagaac agcattgacc tcttcctata   240
cgtggtgggc tcatcctacg agaatgagct gatgctcatg tctgttctca cctgcctgtt   300
tgagtctctg aaccacatgt taaggaagaa cgtggagaag cgctggttgc tggagaacat   360
ggacggagcc ttcttggtgc tggacgagat tgtggatggc gggtgaggag gggacagtca   420
gggacactca cagcaggagt gcctttgata atcatcagcc ccagatggca cccagcatgg   480
ctagaactct gaccaacttc tcactccctt cccccagcat attcccaggg atcccattcc   540
cctagcccctt cctcttacta gcgccccact catgaagata gaagttgatt tcaatgttag   600
ccaaagtcaa gccaaacaag agactaacct gatgtcaaac tatgggagac tgttgaatag   660
gcagggtttg gggaaaatcc agtttggtct ccaatgccca ggggaagcac tggcacagat   720
gctggccctc tctggaagga cttcagacag tcccaccagc cccacatgtc ctgctcttag   780
ggctcaattc caacacaagc tagatgcgtg acctgggtca attactgacc ctccccgagg   840
cttactttct ccatctttag gatggaggta ataagggatt gtggggatta aatacatgtg   900
                                                                    912
tgagaagata aa
```

<210> 8619
<211> 1671
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (70)...(1225)
<223> similar to gi4106673 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8619
```
cggacgcgtg gggtcaagat ggcgggagca gctacccagg cttccctgga gtcggcccca    60
cggatcatgc ggctggtggc cgaatgcagc cgctccaggg cccgggcagg cgagctgtgg   120
ctgccgcatg ggacagtggc cactcctgtg ttcatgccag tgggcacgca ggccaccatg   180
aagggcatca cgaccgaaca gctggacgct ctgggttgcc gcatctgcct gggcaatacc   240
taccatctgg gtctaaggcc gggacccgag ctgatccaga aagccaacgg tctccacggc   300
ttcatgaatt ggcctcataa tctgctaacg gacagcggcg gtttccagat ggtgtcgctg   360
gtgtctctgt ccgaggtgac ggaggagggc gtccgcttcc gctcccccta cgacggcaat   420
gagaccctgc tgagcccgga gaaatccgtg cagatccaga atgcgctggg ctcggacatc   480
atcatgcagc tggacgacgt ggttagcagt actgtgactg ggccacgtgt ggaggaggcc   540
atgtacaggt caatccgctg gctggaccgg tgcattgcag cccatcagcg gccggacaag   600
cagaacctct tcgccattat ccagggtggg ctggacgcag atctccgggc cacctgcctt   660
gaagagatga ccaagcgaga cgtgcctggc ttcgccatcg ggggcctgag cgggggtgag   720
agcaagtcgc agttctggcg gatggtggcg ctgagcacct ctcggctgcc gaaggacaag   780
ccccgatatc tgatgggggt tggctatgcc actgatctgg tagtctgcgt ggctcttgga   840
tgtgacatgt tcgactgcgt cttccccaca cggacagcgc gctttggctc tgccctggtg   900
cccactggga acctgcagtt gaggaagaag gtgtttgaga aggacttcgg ccccatagac   960
ccggagtgca cctgccccac gtgccaaaag cacagccgcg ccttcctgca cgcactgctg  1020
cacagtgaca acacggccgc gctgcaccac ctcacggtcc acaacatcgc ctaccagctg  1080
cagctcatga cgccgtccg caccagcatc gtggagaagc gcttcccgga cttcgtgcgg  1140
gacttcatgg cgccatgta cggggatccc accctctgtc ccacctgggc cactgacgct  1200
ctggcctctg tgggaatcac actgggctga cctggcattg ggagagggag ggaggaagga  1260
agggagggag gggctggaag atactgaagg attccttttt gaaaggtttt ttttattgta  1320
acttacagag tgtgtctgtg tcttcttgag gaagtggcct gtctgggtcc ccctcccagt  1380
ctgagcgtca ttgcagtgga atatctcccc ttctcaccaa tcataacacg tcactgtggc  1440
agcagcggat agctggaaac cacctgccag tgcccagcat gtagggcgtg cccctagagc  1500
gggagctgcc acctgcttcc tggggcccag gcccccccgc caccttggag ggaggtactg  1560
ttggcctctc cttttttaca gctgaggaag caggcccagg gaagggaggg aacttgccca  1620
aggtcatcac catcaaagaa atggtatctt ggctttaagg catacactcc c            1671
```

<210> 8620
<211> 1444
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1318)...(855)
<223> similar to gi2282042 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8620
```
caagcccccg gaagtaaaac tgggtccttt aaaacggccc cccccttttt tttttttttc    60
aattattaaa tgtttggcac tttattaaat taattaaata agctccaaaa ttaattacat   120
acaaatcaaa ggaataagaa acaataaata gtttattcag caaacacctc tctgcagcag   180
ccggcagctc tgaggccgag gctggcgtcc tgtggcagag ggcctgtgga ttgccatgct   240
cgctcccagg ggtggctcaa cagggacaca ggtctactcc ttccacatcg ggtttccgga   300
acaacaactg aactctcatt cattaccatc ccattcatta ccattttttt ttacatacac   360
gaaacacacc gcaatgtata gactaataag ccaagagctt tattgatgca gcaggcactt   420
```

```
tacaatgagc ccaagagtgt ccaccttctc tgggaagaca ggatgtctgt acaaactctt      480
gggttttttt ccacttcaaa aacacaagct ctcccgttta ccacagccct tggatctgca      540
cctgcccaaa ccatccctcc cccagtgcac acaggtgcat ctgaccaaca ccagccgcca      600
cgctggtaga ccgtcaaaat gtcagttctg cagtactcgg agacaaaggc atagactatc      660
agatcctaaa caggatttag gaaacagacg attttcccct ccaccttgaa aataaaatac      720
atttcagcag atacatgtcc tgaaatagtt tacttgggag ttcctaggaa gatggtccat      780
tgtcaatccc ttcttcacca gcctgggcat ccagaattct tctcaaggta acatgagtct      840
ttttattttt tttaaacagt ctttcttgct gtaagaactc ttataatgga gcctagtcct      900
cctactgcta aggccttttc gtgccactgg agtaacactg cgctgctatt ttctgtgggc      960
ttctcaaagc ctttataaat gtacttcatt aacaagtcaa cgccgtttct gtccagtgac     1020
tgcacagcct gctcaatctc actgctcttg aagtttgtga gcactttcag caccacgccc     1080
tgggctcgct ccttcacagc ttgattcttg gtgttgacgg gagagttccg caaggctgca     1140
tggaatgccc gaagcatgtc cccttgccgc aggagccgt ccacctcgct cgggtccggg      1200
cctggctccg ccgccgccgc cgccgcctcc tcctgctcgt ccacaaattt gttctcgtca     1260
aattcgtcga tgtccacccg gcggaagcgc gaggacagcg tgttccgggc catggcggga     1320
gctcggcgcc cgctcagccg gctccgctcg cggcccgacc tcggctctgc tccgctcgca     1380
ccggctcctg ctcggggggcg ggaagcggct gcccggctgc gaattcttcc agtggcacga     1440
ggcc                                                                    1444
```

```
<210> 8621
<211> 1406
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (216)...(944)
<223> similar to gi4689132 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters.
```

```
<400> 8621
tcgaccgagg gccgcgcagt actgcgacgg atacagggag ggcaagggtt tccttttggc      60
gcttcccttt ggaccccgga gtgaaaaact ctaacgtcca gatcagtgga gagaaacgca     120
gatttaggac cctgaggagt cttttcacc cgtttcccgt cactcgctca ggcgcgccga      180
gggcagtcct tgtggggtcc tcgtggccag ccaagatggt tgccccgca gtgaaggttg      240
cccgaggatg gtcgggcctg gcgttgggcg tgcggcgggc tgtcttgcag cttccagggc     300
taactcaggt gagatggagc cgctatagtc ctgaattcaa ggatcccttg attgacaagg     360
aatattatcg caagccagtg gaggagctaa ctgaggagga gaaatatgtt cgggagctca     420
agaagactca gctcatcaaa gctgctccag cagggaaaac aagttctgtg tttgaagacc     480
cagtcatcag taaattcacc aacatgatga tgataggag aaacaaagta ctggccagat      540
ccctcatgat tcagactctg gaagctgtga aaaggaagca gtttgagaag taccatgccg     600
cttctgcaga ggaacaggca accatcgaac gcaacccta caccatcttc catcaagcac      660
tgaaaaactg tgagcctatg attgggctgg tacccatcct caagggaggc cgtttctacc      720
aggtccctgt acccctaccc gaccggcgtc gccgcttcct agccatgaag tggatgatca     780
ctgagtgccg ggataaaaag caccagcgga cactgatgcc ggagaagctg tcacacaagc     840
tgctggaggc tttccataac cagggccccg tgatcaagag gaagcatgac ttgcacaaga     900
tggcagaggc caaccgtgcc ctggcccact accgctggtg gtagagtctc caggaggagc     960
ccagggccct ctgccgcaag aaacagtgtg agctactgcc acgctgaaaa ctacctgtgg     1020
gttaaggatg tagttccttt gtaagggtgg gcaggcctcg taagaaagat gtagcagcat     1080
attcactatc cgttaatcct tctttctttg aggctggaac ttgctctctc tgcccctatt     1140
```

```
tccttgtaaa gagggagcac attgacttgg gaatttcctc caggaaactc agggctgttt    1200
tctcttccct taggttgggg cggacctttg gacatataaa ggaagcagtt ttagtatcag    1260
aaaagattta ttagaaaatt ctcacgctga actggtgtag catgtggtgc agcattcagt    1320
gaaactggct ggaggaaata ggcttgtttc cagagttgtc cttatacaaa atgtataaaa    1380
                                                                      1406
agcagtttct ggtgtgaaaa aaaaaa
```

<210> 8622
<211> 2900
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (59)...(1651)
<223> similar to gi881971 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```
     <400> 8622
gagcgccccg acggcgcccg ctcgcccatg ccgagctgag cgcggcagcg gcggcgggat     60
gctggcgctg ctggccgcca gcgtggcgct cgccgtggcc gctggggccc aggacagccc    120
ggcgcccggt agccgcttcg tgtgcacggc actgcccca gaggcggtgc acgccggctg     180
cccgctgccc gcgatgccca tgcagggcgg cgcgcagagt cccgaggagg agctgagggc    240
cgcggtgctg cagctgcgcg agaccgtcgt gcagcagaag gagacgctgg ccagcgcgag    300
ggccatccgc gagctcacgg gcaagctagc gcgctgcgag gggctggcgg gcggcaaggc    360
gcgcggcgcg ggggccacgg gcaaggacac tatgggcgac ctgccgcggg accccggcca    420
cgtcgtggag cagctcagcc gctcgctgca gaccctcaag gaccgcctgg agagcctcga    480
gccgctgccc gcgatgccca tgcagggcgg cgcgcagagt cccgaggagg agctgagggc    540
cgcggtgctg cagctgcgcg agaccgtcgt gcagcagaag gagacgctgg ccagcgcgag    600
ggccatccgc gagctcacgg gcaagctagc gcgctgcgag gggctggcgg gcggcaaggc    660
gcgcggcgcg ggggccacgg gcaaggacac tatgggcgac ctgccgcggg accccggcca    720
cgtcgtggag cagctcagcc gctcgctgca gaccctcaag gaccgcctgg agagcctcga    780
gcaccagctc agagcaaacg tgtccaatgc tgggctgccc ggcgacttcc gcgaggtgct    840
ccagcagcgg ctgggggagc tggagaggca gcttctgcgc aaggggggcag agctggagga    900
cgagaagtcc ctgctgcaca atgagacctc ggctcaccgg cagaagaccg agagcaccct    960
gaacgcgctg ctgcagaggg tcaccgagct ggagcgaggc aatagcgcct ttaagtcacc   1020
aaatgcgttc aaggtgtccc tcccactccg cacaaactac ctatacggca agatcaagaa   1080
gacgctgcct gagctgtacg ccttcaccat ctgcctgtgg ctgcggtcca gcgcctcacc   1140
aggcatgggc accccttct cctatgcggt gccagggcag gccaacgaga tcgtgctgat   1200
cgagtggggc aacaacccca tcgagctgct catcaacgac aaggttgcgc agctgcccct   1260
gtttgtcagt gacggcaagt ggcaccacat ctgtgtcacc tggacgacac gggatggcat   1320
gtgggaggca ttccaggacg gaaagaagct gggcactggg gagaacctgg ccccctggca   1380
ccccatcaag cccggggggcg tgctgatcct tggacaagag caggacaccg tggggggtag   1440
gtttgatgcc actcaggcat ttgtcgggga gctcagccag ttcaacatat gggaccgcgt   1500
ccttcgcgca caagaaattg tcaacatcgc caactgctcc acaaacatgc cgggcaacat   1560
catcccgtgg gtggacaata acgtcgatgt gttcggaggg gcctccaagt ggcccgtgga   1620
gacgtgtgag gagcgtctcc ttgacttgta gccgccttct cctctgtcca ggaggccggg   1680
atcaggctgt tgccatggaa gttcagggcc atagactgcc ccacttaaac tcttgtcagt   1740
ctgggctcag ggttcccaga gctcattccc caggaatctc taagaccagg gctggggcag   1800
tgtctgtcac tggcttgttt gttccctacc aatattctgt tgctgtttga agtagtgcca   1860
gggtcccctg ggaagatgcc cccaagacac ctgccccaag tgggtggata tctgccttcc   1920
```

```
tgctgcaagt ggaggcaggt ccagcagccc ctcttcagag cccctgtaaa tgctatcgca    1980
gcctgagtcc tgccgccttc cagttccttg gtgtcccgtg caccccttct gtctgtcccc    2040
tttcatggct gtgcagccgt cccgctggag tggccatgtc ccttgtgcat tgagtgcatc    2100
cccgctggtg actaagctcg cagcaagcgg ctaccccccg atctgcaaaa gggcctctcc    2160
ctttgtgttc tatacattgt gaatcttccc gtctgtgtctc cagaaagggg acatcggggg   2220
agccccgcct tccccaaagc agaggggctg tctgtgtctc cagaaagggg acatcggggg    2280
ggaggggggc tcagaaagga gaagggctgt gatctccggt cccttcccccc atcatccttc   2340
cttagactga tgctttgact gaatcatcac tagctatggc attaaaaggc ctctcttctc    2400
atctggtgcc aaaggttccg ttgcagcttt ttacaaccat ccggtgtggt ttggaggatt    2460
tgtttttttt tttcccaaca gaaaagaaca gccattaaaa gaaggctccc attttctgat    2520
gttccgcccc actgggaaaa gggggctcgt tttaaattca tgttgattct tgtaagcact    2580
ggactgtctt catcaagtat ttccctacag aactcctcaa gaaaacagag atcatttggc    2640
tagagattgt ctgagtgact ccaagctact cactgtattg gacgggagta gtaatttatt    2700
ttaaagataa agtgactaag tggggaaatt tataaagcta aatattatat attttatttt    2760
tcatacatgt ttgaagtgca aatctgtgga tattccattt gtaggaccaa gtcgacatgc    2820
ccatcctgac attgtatgct acgagaactc ttctgatgat ggaatttcga ttaaagtgca    2880
ctgaaagatg aaaaaaaaaa                                                 2900
```

<210> 8623
<211> 2263
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(2264)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (2107)...(1143)
<223> similar to gi3882279 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```
<400> 8623
tgcacaaccc ctttcctctt caactaagcc aaacccataa aacggggggcg taggtatgtc    60
gggacaccaa aaagcagcag cagcagccag agggagttta aactgcatct caaaacaaag   120
gcggcagagg gcagcattta cagcaagact ttcttactca aactgtttca agacaagagg   180
gagcagcaca cttaaatatc cacacatttc ttcatttaaa aacatcactt ctttatttca   240
aaggaaaaat aaaagaccct cccaaccctg tccaaaaaaa acccaataat aataataaca   300
ataataaaa atcctattag aaaccataag gaagcactga gagtttgagt attacattct   360
tcaagtatgc tgttcggatt ttttattttt aggttggtaa ctatacacat ataaaaaaac   420
cttaaaagtg cggccaaggg attttgctta aaattaagta tttagagggc tacttaaaaa   480
tactgtagta ggactgtgca gtgatccttt gggggatgat gctttcactt ttgtatcctc   540
gtcaaggtta aggggcaggt tcaaaagtga tcatacttcc aggattagcg taagtggcca   600
acttgggtga gaaagccaga gagatccatg tgttcttcca cggacaacga aaatccaccc   660
cgaatccaaa aattcagaca tggaatgtgg taggatttca cagtaaagtt agtctgggat   720
agggagaggt gatgagccca gacaaggcag ggtgttaggt ttaactggtt tgccctcatc   780
aggttttcgc atctttttag tgggtttttag tgcagtcctt caagccacaa tttagattgc   840
ccttcggtgt gctccagatt gttggttcat attaaaggac tgttttaaga tttgcatccc   900
```

7204

```
aaggaaaatc atgctacata aaaatgatcc aagattttcg cccaaaaaac ttcttggata    960
aaatctaaaa aatactattg caattgcgtc tcttgaagaa aaaaacatta ttctaaatgt   1020
aaacagattc actcaactct tttttgttg tagaaaactt cagagtaggt aagttgctgt    1080
ctaactctct gctgcatgca ctcgccagag ggtagggaac aatgccttct gtgccagcat   1140
catctagggg atgaaaagaa ccgttccaca tagctgaaga gggcgtccca gtgcttccag   1200
agaaaggcaa taaaaaccac aaggaataaa gtgctgaacg tcctgttgcg agtcttcatg   1260
aggggacca cacagttggc tacagtggag acaaagacca aaaggactgc catgacagcc    1320
aggaggatgt tgatgagttt gcccagaagg ttccgggcag tggcattctc cagcccttct   1380
agctgcacca cctgctgctg ctgctgctgc agctccatct tggagatgcg cgtctggcat   1440
gcctccaggg cctcctggat gtcccgggcc cgttcatagg actgatacgc aatttttct    1500
tccatgcttg ccagttcctg cttcaagttc aagatttcat tctggtggag ctctgttagg   1560
tcatttagct gttcttccaa tcgttcacat ctatatcgct cctcctgtaa ggtctgcatt   1620
attaaggaat agtccctctg ataatgttcc ttgagagtct caaaggattc ctctagtctg   1680
gcctgggttt cccggatctc ctggatctca tgtagtagtg catcaaatcc tgagctctgc   1740
atgtccaggg tgtttgtttt ggagctggat gctcctacag cgatgccccc tgtggtgctg   1800
ttggctccca ctgagcctga agtggcacta gaacaatctt cttcactacc atattttggg   1860
ctagactgaa agtttgaaat cactcccaaa gccttccccg catcatccac ttgcccttcc   1920
tctaaagagt ccttcaggtt ggggatgttg tctgcactgc caaatttgtt ccgaatgagt   1980
gaggcaatct ctctgggctt tgagactaca gcgcctgctg ctgaatgggt ggcctgggag   2040
aagctggaaa acccacctt gacactatcc accacacctt cactgaagcc agtcacctt    2100
gctcgtacat ccgtcagacc ctggtgcgtg tccatgaaga catcctttgg cagccggggg   2160
atcccattcc gctctacctc tctgagcttc ctgtggtaga gataaagttt cttttcagct   2220
ggaggatgtt ggcagattgt gtcttccaaa angtggtact ctc                    2263
```

```
<400> 8624
ttttttttt ttccgcaggt ctgaaatgga ctttaattgg cttttgtctc tagaattacc    60
cacccgttcc tgcgctctac ggttctccat gcccctcca gtttgggggt ctaaaccgaa    120
caggagaggt gcaggggacc aggaggtgtc ctggcacaaa ggttcggggg tctccctggc   180
aaggggtccc agggcctgga gcccgaggcc cagccaaaag cacacagcat caaaacatgt   240
ttttagtggg aagctccagg ccctgcccct ccccgggggc ctcgaggtcg gggagcaggt   300
gggcgtctgt ctgcctccag gtcatggcag tgcaggcggt gagctggggg ccggcagggg   360
cgcggacagt gcggcgtggt cgaacagagg gttgcgcacc tccatttccc cggtcggggc   420
caggcccggg cactcgtaca ccgtgaagtc tccgtcctca ttctcctcat ccgaggaggc   480
cgtgtccagc tccttgggtg gctctttatg ccgctccagg cacagcatct gttgccgttg   540
gtgctggtag tggtacatct ccgcgctctg tgccagccgc tggtccccag gcgagatccg   600
gggagctgca ggtgagccag gggccttcgc agtggcgtag tcggccttct gagtcaggcg   660
gatctcacgc tgcagcctgc accagcagag ggaggctacg gagagggcgg ctgcaccggc   720
cacacagaac gccaggatca gcacaagggc gaggccgtcg ccttgccctc cccgggggctc   780
caggggcgac atgtgcaccg ggtcggatga cacagggggag cccagggagg tgtggggcgt   840
```

```
gggcgtgggg gttcctggag tggaggggag gcccagctcc agccctgcc cccgtgccga   900
gaagcccagg gtggcaggct ccgggagccg ctgtcggtcc ttgggtaggg gcggagttga   960
gtgtccagac tccttccggg caagctcctg ggccaggaag tcaatctcat cttccagtct  1020
gggctggggc cggcccccgc ctggaggccg gcgcatcctg ggcacacaga gcccttgctg  1080
gtcctcctgg aagggctgaa ggcagggccc acaggcatgt gcaccaggag gacaccttgc  1140
ccgcctcttc agggcacagt ccaggctccc gggacaggcg gctacatccg ggaaggaagc  1200
agaaggcagg gccggctcac ggccccgcag ggctcggccc ctgcacacgg cagcgctgcc  1260
ccagccaccc gcccccgtca cccccgagc tggccgggcc tggttctggc cattgttctg  1320
gacatgccct tcctccctga cgccagggct cagaacccgg aagcgaacag tcctaggact  1380
tatcagaact accctgcccc accctccc aggtccact tccaggcctg atagagccct     1440
cagctcagaa gctgcctcgt gccaagctag gcgaataggt aatag                  1485
```


<210> 8625
<211> 4291
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (984)...(2533)
<223> similar to gi5917732 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters


```
    <400> 8625
gcgcggggca ccaccgctc ccccccccaa ccctcctcag cagaagcagc cggcgcgggt    60
ggcaggagtc agcccgcttc cgaccgtacc ccgcccgcct cccggggctc ctgttctgtg   120
gccccgggac cctaaccagc tcccgggggcg gttccctccg tctgggcgtc cgagcgctgc   180
ccacatcttt cattcctccc tgcacctcct tcccttcact tttgccccgg ctctctttct   240
cctctctgtc ctgctgtcgc ctcctctcct cactccagcc tccttccctg gcttattctg   300
cccaggaaag tttggaaccc ccgcccccc tccccaatca ggtcaacctg actaggagta    360
gggggagatg taggaaggcc tgagagttcg gggggggga agctggaagc tggtttccca    420
aaaaatttcc ccccatcttc tccatttagg gggggggaa ttttttttaa tcctgtttt    480
gacggagggg gggggtgttt aggaaaaagg atgtgggaat ggaagggggta gatgagtcaa   540
ccctctttca agattccaac gggtggtgtg ttacctgatc cttttcgtgt gtggagttca   600
ggggtcggg aggtttggcc tttattccca cattcaaagt tggaacctcc cccaaattaa     660
gaatggagtt ttagtaccca cttgtggcag gaaatcctgg ggggaagggg tcctttttc    720
cttttcttt tcttttttcc ctttttttc ctttttggcaa cccacaccct tccacacacg     780
ctcaccccaa aattaaacac caagatcctc taacttgttt ggattgactg atgaagacat   840
aaagctctat gtttttgag gtggagtgag tggttttct tcatttttaa atggccaaat     900
gacagcttga cccagtttgc tttccaatca aagggcattt attttgaatg tcttttgtg    960
gcgcaagagc caacgcaaaa atgatggcgg cttacaatgg cggtacatct gcagcagcag  1020
caggtcacca ccaccaccat caccaccacc ttccacacct ccctcctcct cacctgcacc  1080
accaccacca ccctcaacac catcttcatc cggggtcggc tgccgctgta caccctgtac  1140
agcagcacac ctcttcggca gctgcggcag ccgcagcagc ggctgcagct gcagccatgt  1200
taaaccctgg gcaacaacag ccatatttcc catcaccggc accggggcag gctcctggac  1260
cagctgcagc agccccagct caggtacagg ctgccgcagc tgctacagtt aaggcgcacc  1320
atcatcagca ctcgcatcat ccacagcagc agctggatat tgagccggat agacctattg  1380
gatatggagc ctttggtgtt gtctggtcag taacagatcc aagagatgga aagagagtag  1440
cgctcaaaaa gatgcccaac gtcttccaga atctggtctc ttgcaaaagg gtcttccggg  1500
aattgaagat gttgtgtttt tttaagcatg ataatgtact ctctgccctt gacatactcc  1560
```

```
aacctccaca cattgactat tttgaagaaa tatatgttgt cacagaattg atgcagagtg   1620
acctacataa aattatcgtc tctcctcaac cactcagctc agatcatgtc aaagtttttc   1680
tttatcagat tttgcgaggt ttgaaatatc tccattcagc tggcatttta catcgagaca   1740
ttaagccagg gaatctcctt gtgaacagca actgtgttct aaagatttgt gattttggat   1800
tggccagagt ggaagaatta gatgaatccc gtcgtcatta cagcaatgct attgacatct   1860
attatcgggc tccagaaatc ctgatgggca gccgtcatta cagcaatgct attgacatct   1920
ggtctgtggg atgtatcttt gcagaactac taggacgaag aatattgttt caggcacaga   1980
gtcccattca gcagttggat ttgatcacgg atctgttggg cacaccatca ctggaagcaa   2040
tgaggacagc ttgtgaaggc gctaaggcac atatactcag gggtcctcat aaacagccat   2100
ctcttcctgt actctatacc ctgtctagcc aggctacaca tgaagctgtt catctccttt   2160
gcaggatgtt ggtctttgat ccatacaaaa gaatatccgc taaggatgcc ttagcccacc   2220
cctacctaga tgaagggcga ctacgatatc acacatgtat gtgtaaatgt tgctttttcca   2280
cctccactgg aagagtttat accagtgact ttgagcctgt caccaatccc aaatttgatg   2340
acactttcga gaagaacctc agttctgtcc gacaggttaa agaaattatt catcagttca   2400
tttttggaaca gcagaaagga aacagagtgc ctctctgcat caaccctcag tctgctgctt   2460
ttaagagctt tattagttcc actgttgctc agccatctga gatgccccca tctcctctgg   2520
tgtgggagtg atggtggaag ataatgtact actgaagatg taatgtagct ttcccactgg   2580
gagtctggga tttgcaattc tgggaggtta atcatgcttg tactgtaatt ttactaatga   2640
agttttaaat taacaaccac tacttgtatg atatgaataa tatttagaaa tgttactaga   2700
cttttaatct tgtaaagtgg ttgtgctttt agaagaaaaa tattttaccc agagttgcac   2760
atgttttatg aatttagtgc agctgttatg gctcacctca gaacaaaaga gaattgaacc   2820
aaatttggga gtttggggtt ttatgttttg ttttcttttt ctaaaatgaa gtgagattgt   2880
tcacacacac acacacacac acacacacac ttctaaaact aaagaatcta ggaaccttgc   2940
tatttgagcc attcctaaag atttgggggtt ttctaaaact aaagaatcta ggaaccttgc   3000
ctgcgaccaa tcatggagcc acgtgagctg atcgtggctg cacctggggg gagggtaggg   3060
aggagggggca tgccacctaa tgatcaagcc ctataattag cttctcatta aagccgtgat   3120
ggtgatgtgt gctgtctaaa atccaatgtt gtgggtagag agaatgagtt tgtgactagg   3180
agagactaaa cttttgtttt ccttacccag tataaatata tatatatata tttaatctat   3240
ttttattaga agtttttctg ctctttctta cataaaagaa ccccaagcat gcatctttca   3300
tgtgtgtaaa taattcattt ctgggctaat ttcaaaagaa tcccaatatt gctgtataga   3360
aagagaacta gcttgcacat tttaggtctg tgaattttg tgagactttt cctgcactgg   3420
acagtaaaaa aataataaaa gacaaaaaca aattaaaaa aaaaatttaa gccacaaaaa   3480
aaggcacata gggaattatg tcaaatgtgt ttgtgtcctt aggcaaagct gtgggagtct   3540
tgaaatgtca cagtagtaaa taacttatta cttttgaca agttcttttt tttctgttgg   3600
aacactgaat tcttctgtgc atatgtacat atgaatacaa atcgaaggcc tctacctcct   3660
gggagttata caacttgggc ttgtttacct ccacatgctg atgatgacta tttttttttt   3720
ttttgagttc agtgtggaga cttgaaactt gaatgtccct tccaacttt atattaaaaa   3780
taaaaagaca agggaaattg aagatcattt ttcacctgta caaggaatac taatggatcg   3840
tcttaaaatt ggtctaggaa aaaccttgg tgtgtgttat ggacaattaa ctgttaaagt   3900
tattgtaagt tatctgtatt tagcagagta ttttcaactt gagtgatctg agctgaattt   3960
gaagactatt aataagttat gtttggaagt tttaacctca atgaagtaat tatttgctgt   4020
gaaagaaaca aacattgaat tactaaacaa agatggtgca atatctttgt ttttttttta   4080
tgaggctcct gagaatcaac ccaactgaag catttcaatt cacttgaatg agaaacgtgt   4140
ttagtatcaa aagagcccaa aaagaccctg gtgtgaaagg tacaatctca aaggttggtc   4200
aattaccgtg gcacactttc tggtcacttt gtacaatgta aatttgaagt acagtggtga   4260
aaacattaaa tgtgacattt gaaaaaaaaa a                                   4291
```

<221> misc_feature
<222> (1)...(3740)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (20)...(2493)
<223> similar to gi6007619 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8626
```
tcttcgtctc ccggagaaga tggcggatcg cgcggagatg ttttctctct ccaccttcca    60
ctcgctgtcg ccgccgggct gcaggcctcc ccaggacata agcctggaag aatttgacga   120
cgaagatctg tctgagatca ctgatgactg tggcctgggc ctcagctacg actcagacca   180
ctgtgagaag gacagcctct ccctggggcg ctcggagcag ccgcacccca tctgctcctt   240
ccaggatgac ttccaggagt ttgagatgat cgatgacaat gaagaggagg acgatgagga   300
cgaggaagag gaggaggagg aggaggaggg ggcaggagg gaggagaccc              360
tggctcagag gcacctgccc ccgggcccct tatccctcc ccttccgtgg aggagccca   420
caagcaccgg cccaccaccc tccgtctgac cacactgggg gcccaggact ccctaaacaa   480
caacggaggc tttgacctgg tgcgtccggc ctcctggcag gagacagcgc tatgctcacc   540
cgccccggag gccctcagag agctcccggg ccccctccct gccacggaca ccgggcccgg   600
cggggcgcag tcgccagtgc gcccgggttg cgactgcgaa gggaaccggc ctgcggaacc   660
ccctgcgcca gggggggactt cgccctcctc agatcccggc atcgaggctg acctgagaag   720
ccgctcgagc ggcggccgcg ggggacgtcg cagcagccag gagctgtcct cgcccggctc   780
cgactcggag gacgcgggcg gcgcgcgcct ggggcgcatg atctcgtcca tctcggagac   840
ggagctggag ctgagcagcg atggcggaag cagcagcagc ggccgctcct cgcacctcac   900
caactccatc gaggaggcct cgtcgcccgc ctcggagccg gagccccgc gcgaaccccc   960
gcgccgcccc gccttcctgc ccgtgggccc cgacgacacc aacagcgagt acgagtcggg  1020
gtcggagtcg gagccggacc tcagcgagga cgcggactcg ccctggctgc tcagcaacct  1080
ggtgagccgc atgatctccg agggctcctc gcccatccgc tgccccggcc agtgcctgtc  1140
tcctgcgccg cgcccgcccg gggagcccgt gtcgccggcc ggcggggccg cccaggactc  1200
ccaggacccc gaggcggccg cgcccgccgc gcctcgaccc ggccccgcgc agcccgggcc  1260
gtgcgcgccg ccgccgcccg ccacgcgtga caccatcacg ccgctgtggg ccgcgcccgg  1320
ctgcctattc ctcagcaacc ccacgcgtga caccatcacg ccgctgtggg ccgcgcccgg  1380
ccgcgccgcc cgcccgggac gagcctgctc cgccgcctgc tccgaggagg aggacgaaga  1440
ggacgacgag gaagaggagg atgccgagga cagtgcgggg tcccccgggg gcagggcac   1500
gggcccctcg gcgccgcggg acgcgtcgct ggtgtacgac gcggtcaagt acacgctggt  1560
ggtggatgag cacacgcagc tggagctggt gagcctgcgg cgctgtgctg ggctgggcca  1620
cgacagcgaa gaggacagcg gcggggaggc cagcgaggag gaggcgggcg cggcgctgct  1680
aggcggcggt caggtctcgg gggacacctc gccggacagc cctgacctca ctttctccaa  1740
gaagttcctc aatgtcttcg tcaacagcac atctcggtcc tccagcaccg agtcctttgg  1800
ccttttctcc tgtctggtca acggcgagga gcgagagcag actcaccggg ctgtgttcag  1860
gttcatcccg cggcatccag acgagctgga gctggatgtg gatgaccctg tgttggtgga  1920
ggccgaggag gacgacttct ggttccgtgg cttcaacatg cgcacggggg agcgcggtgt  1980
gtttcctgcc ttctacgccc atgcggtgcc cggccctgcc aaggacctgc tggggagtaa  2040
gcggagcccc tgctgggtgg agcgctttga cgtgcagttc ctgggctccg tggaggtgcc  2100
ctgccaccag ggcaacggca tcctgtgtgc agccatgcag aagattgcca ctgcccggaa  2160
actgaccgtc cacctgcgcc ctcctgcctc ctgtgacctc gagatctctc ttcggggggt  2220
caagctgagt ctgagcggag gagggcctga gttccagcgc tgcagccatt tcttccagat  2280
gaagaacatc tccttctgcg gctgccatcc ccgcaacagc tgctatttcg gcttcatcac  2340
caaacacccc ctgctgagcc gcttcgcctg ccacgtcttt gtctcccagg agtccatgag  2400
gccggtggcg cagagtgtgg gccgcgcctt cctggagtac taccaagagc acctggcgta  2460
cgcctgcccc acggaggaca tctacctgga gtagcctgcc caccgctctg tctcctggcc  2520
gtctgctcca ggcgcagctg gggctgagga tgtctcaaga ggccaccatg gctttggcaa  2580
```

7208

```
ggactggatt ggggggacat gggaccttac gcttgtgggg gtctgcgggc tgggaactct  2640
cgtcctcggt ccccagggcg cagctgttgg ggctgcgggg gagtggagcc cccgtgcccc  2700
tgcttttcct cagatccgtt ctttctctgt gttgtcctcc tccttccctt cccagtctcc  2760
cttttctctc tcctggtgtc tctgcccctc tctgtgcctg caaaccttat cctctattct  2820
tcactttggg gtcagaactt cggggggtgtg ggaggaggtg cggctctagg ggaacaggta  2880
atgtcggctt ccaagtgatg ccctcctgcc actccctgc gatttataag ggaattttaa   2940
ttttttatagt gaatctcaag ggatcatccc atccttgacc acagggacaa gagggggcccc 3000
ctcgccccag ccccacccca catggagctc aggggggaagc agggagggggt tcccaaaaga  3060
gccctgcgga ggctaggagt ggttcttgat gctcacctga agcccctaga cgctgctagg   3120
agggggggcc ctcctgggcc cccaataccc ctaccgcttg ccgctgctag cgcaccccctg  3180
cagtccagcg tgcatccacc ccacgcacgc cccgtgctgt gttcctgggc cctgcccatg   3240
gcctcaataa actctctgct tggtgtgaca ttggctgttt ctagagggtg ctaagacatg   3300
gggccaggtg cccaggggct gcccattgtg gtagggacag agtccccagt ggcgggagtg   3360
ttgtggcaat ctcacccttt tagctctttc cgaaattgtg ccgggggtcc ctgcggtgct   3420
gctctggggc cttatctgag gtgccgtatc tagaagcacc cttgggaatt ctccctagat   3480
acactcgatt ggccacagag gaatccgagg ctgtgcaatg gggtgtcctt tccacgtgca   3540
cggactgggg gccagcacgg ctcaggtcag tgtgtagtgg gggcatgaac tccttgaaga   3600
acaatctggc cgggcacggt ggctcacgct tgtaatccca acgtgtcttc aggtctcttt   3660
ccctccagcc ggcccttaag acggctgttg gacgtgctcg ngagtccttc gcctgtctgc   3720
cttccacctc tctgcagct                                                3739
```

```
<400> 8627
gcttcagatt cttttctgcc atccaatgct gtttctatgt agctatcaaa atgcttctta    60
attctttttt gatgatcttc aggtgaaaac cacctgataa cttggtatga ttttttcctcc   120
tctttaatat ctgggatcaa aaactttcca ctctgatgaa gcatagtcac attatgacca   180
tgctcttgaa gaatctgaga cacccggtcc aacagtaggt aatggcttcc acccagtgta   240
gatattgtca ggattttggc agcctctgag agcaggaccc cagaaagaag gaaggccact   300
agaagcagca cccgctgccc aaccatgctc acttccacag aagcagcgga tctcagcctg   360
ggctgcgcgc cctgcgccgg gctaaggact ctgtgcgcgc ctcagtactc caaaggcact   420
ggctgtgggc ctaggaagag gaaatctgga aacctacagt ctccatgcct gctcagccaa   480
gaaggagctc actgtgggca ccagagacag ggacccaatg tggagacctg tgagcctgtg   540
tccggccctg aactctcaag cacagggcag gcttcctgag cattgaagag aatatgtggg   600
agaacaaaac agaaactgaa agaatatgca aggtgtcttt cttggatgtt attccatgat   660
agatagtagg ggcaggagtg agagaggctg actaggtctg gacatggagg ctggaagagt   720
cagggtgtga ttcggagagg cgcatgagaa ggaaggtgga ttttaaggct ggaaatctga   780
gggtcagtgg tccaagtcac tcagagacag aatcacagca tagcccttgc tgatggcaaa   840
caaaggagga caagaggact ggaaagaatt ctgctagcag gcaggagcta gtaaggatga   900
atttgtagca aaattagcaa gtggaaagga tgatttttgg ccatttttcc tgttcttcaa   960
gaaaacagga gataactaga aggactagag aatggggctg ccagaactag tgggaagctc  1020
```

7209

cctagaaatg gtgacatcgc ccaccaaaca gaccccgcca aggctgcacc tggccttatg   1080

<210> 8628
<211> 2957
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (134)...(1156)
<223> similar to gi1770163 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8628
gcaattcggg cgcgtcaggc cgcgacgagg gcgctgagac aaatttacat gtattggaga   60
ccagaccaga agcccttctg aattaagatc tcacattctt gaaggtggca ttgaagagca   120
ctaagatcgg aagatgagtg agcttgacca gttacggcag gaggccgagc aacttaagaa   180
ccagattcga gacgccagga aagcatgtgc agatgcaact ctctctcaga tcacaaacaa   240
catcgaccca gtgggaagaa tccaaatgcg cacgaggagg acactgcggg ggcacctggc   300
caagatctac gccatgcact ggggcacaga ctccaggctt ctcgtcagtg cctcgcagga   360
tggtaaactt atcatctggg acagctacac caccaacaag gtccacgcca tccctctgcg   420
ctcctcctgg gtcatgacct gtgcatatgc cccttctggg aactatgtgg cctgcggtgg   480
cctggataac atttgctcca tttacaatct gaaaactcgt gaggggaacg tgcgcgtgag   540
tcgtgagctg gcaggacaca caggttacct gtcctgctgc cgattcctgg atgacaatca   600
gatcgtcacc agctctggag acaccacgtg tgccctgtgg gacatcgaga ccggccagca   660
gacgaccacg tttaccggac acactggaga tgtcatgagc ctttctcttg ctcctgacac   720
cagactgttc gtctctggtg cttgtgatgc ttcagccaaa ctctgggatg tgcgagaagg   780
catgtgccgg cagaccttca ctggccacga gtctgacatc aatgccattt gcttctttcc   840
aaatggcaat gcatttgcca ctggctcaga cgacgccacc tgcaggctgt ttgaccttcg   900
tgctgaccag gagctcatga cttactccca tgacaacatc atctgcggga tcacctctgt   960
ctccttctcc aagagcgggc gcctcctcct tgctgggtac gacgacttca actgcaacgt   1020
ctgggatgca ctcaaagccg accgggcagg tgtcttggct gggcatgaca accgcgtcag   1080
ctgcctgggc gtgactgacg atggcatggc tgtggcgaca gggtcctggg atagcttcct   1140
caagatctgg aactaacgcc agtagcatgt ggatgccatg gagactggaa gaccattcca   1200
acttggacgc gttaccatga gagcatatcc tatccaaccg tactaacgtg gacaccctac   1260
acctcccctc agaacttcaa aagggcaaga tcttttttcc ttcacttatt gctgaaacca   1320
agagcacaat tcccattgag agaaagatct ctgtgctgta aactaaaaca aattgtgcat   1380
tccttccggg gccatcgtct ttgttttctt ttttgtcttg aatgaatttt aaaaggaaat   1440
atataataaa aatgttaacc agaaggtaaa cttgagtgta attgtcagac agacacactt   1500
ttccaccagt gtatttgaat tttaaaccag tgaccctgtt ttgtggcatt catgcaaaac   1560
atgctgaggg ctttgttcat ctggtcatcg tgtccaaatt tcagtcatgt ttgtagcaag   1620
attttggaag cattcatatt tcctttttaa aatgtattcc tttgtgttca acagttaatc   1680
aaaaccagag agtctagggc agcctctctg atgttgtcaa tgatgtaaat tcagtccctg   1740
gttttttaatt ttctgtctga tgtcacagat cattgttgca cacaaacgtg gcatagaaaa   1800
gaacatgttc agaagccatg gggccaagca catgcgggga cggtctcaaa tgcgtgatca   1860
gagaatcctt cacctttgct gaaaagtgag ctcagatcca gcaccatgtt cctcctgacc   1920
catcctgtct atcttctcag ttgagttttt aatctcactt tgggtttcct tgtgtgaagttg   1980
gagggaagtt tataatagcc taacactacc ccaccccaa ctaggaggaa cctctgtttt   2040
caagagagat gcctgtcctg tgcttggata gtcagtcaat tatttgtgta tgaaacaatg   2100
tacaaatcaa tgttttgaaa ataatgatct cagactttct aagttaaatt ttaaaaattt   2160

7210

```
tgattgtttg ccatattggg tgggtttact cttagaatcg catgctgtag aaatgctcaa    2220
aagtgcatat gggactcagt ccttaggtgt tcttttttctt ttaagaaata acctcttaca    2280
gttgtaacca ttgcggctct gtccacttct cgctgtccac ttctcgttgc tgctctgtgg    2340
cacatatcgg aagcagtaca gcgcgcggct ctacacgctt gggtagcggg ataagtcact    2400
gttttctta tttctttaaa aaaaaaaaa gttctgttgc aaacgactgc tgttggattc    2460
tgagggtggg gagggagaga gagggaggga gagggagtga agagcctgcc ctcctatatg    2520
gattcttcag ggccctccac atctgaggtg gctcattccc atcacacaca gattgtcctg    2580
gtgttcattt caaggccagt gttcagcagc agcgtttgga aagcaggttc tgtgggaccc    2640
cccgccccgc cccccgcact ccttcatagc agcagtagtg gcttctccat cctgtttct    2700
gcaacattct atacaaaact gtgctgtgac cttgcggtag gcctggatct ggcaaagaga    2760
atacaaatga aacccctttct ttctctttcc gtccaacaac tctgtagagc tctctgcacc    2820
cttacccctt tccacctttt gtatttaatt ttaaagtcag tgtactgcaa ggaagctgga    2880
tgcaagatag atactatatt aaactgtact gttatttaag atgtaataaa gcagtttgac    2940
atgagggaaa aaaaaa                                                     2957
```


<210> 8629
<211> 1821
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (688)...(1093)
<223> similar to gi2852645 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters


```
     <400> 8629
cttcacctct gtgtttttctt ctagaagatg cattttgggt ctgagaggag cattttcctg     60
gaaggccatc tttttaaggcc cctgcttgct gtcatagtgc agagcagaaa cttgcacact    120
atttagagag ctcccttccc acctctctgc ccagccttgg gaccatgctg tcccaggttc    180
aaggataaaa accatcaggc ccaagtgcca tccatagtcc atctccagag tcttcctcca    240
caaactggga ttcatccccg ctgaaaaagc acaatctaac agcaagggaa caaaaaaacc    300
atgctatcac ataatactat gatgaagcag agaaaacagc aagcaacagc catcatgaag    360
gaagtccatg gaaatgatgt tgatggcatg gacctgggca aaaaggtcag catccccaga    420
gacatcatgt tggaagaatt atcccatctc agtaaccgtg gtgccaggct atttaagatg    480
cgtcaaagaa gatctgacaa atacacattt gaaaatttcc agtatcaatc tagagcacaa    540
ataaatcaca gtattgctat gcagaatggg aaagtggatg gaagtaactt ggaaggtggt    600
tcgcagcaag cccccttgac tcctcccaac accccagatc cacgaagccc tccaaatcca    660
gacaacattg ctccaggata ttctggacca ctgaaggaaa ttcctcctga aaaattcaac    720
accacagctg tccctaagta ctatcaatct ccctgggaac aagccattag caatgatccg    780
gagctttttag aggctttata tcctaaactt ttcaagcctg aaggaaaggc agaactgcct    840
gattacagga gctttaacag ggttgccaca ccatttggag gttttgaaaa agcatcaaga    900
atggttaaat ttaaagttcc agattttgag ctactattgc taacagatcc caggtttatg    960
tcctttgtca atccccttc tggcagacgg tcctttaata ggactcctaa gggatggata   1020
tctgagaata ttcctatagt gataacaacc gaacctacag atgataccac tgtaccagaa   1080
tcagaagacc tatgaaaaga aagttgtatg tgccacataa aactctgaat ataaaagttg   1140
ctgttctact attttaacta ctggcaaagc cacttgcatt tttcattagt agcaacaata   1200
gcaatttagt gattttcctt ttctgacatt caatttcaat ctcagatcaa atactaataa   1260
acaattagaa atcttacttt aaaaaactta taactcactt gtcttcattc ataattttgt   1320
tttcacctgg tttaaagaat ccagatattt tactgcaaaa gttcagatgg aaaagtaatt   1380
```

```
gacagtttca cctttgtctc attttatatg atttattaca gtgtaagttt ttcaagtgga   1440
atctagaatc aaaatacagg gagagatatg aagacctatt cagagtttca tctggggatg   1500
aaagctatgg aagatgatgt acaaatgtta ttgatggaga aaatggttgg gtgtgtcctt   1560
tctggtgacc atgagaaaat aatatgtctt gatgaagtct tttcattagt cactcttaga   1620
attctaaagt gctttgcact tttcaatatg ttttgaatca ttaggtaatt tattctggat   1680
gatattctcc aaaattcaat tcagttatta tattcattta gcattaagtc aaggagactg   1740
agaatgactc aagggacgtc atagtaccat agtttttaagg accaaggtgt gcccagaatt   1800
                                                                    1821
caagtttcac aaatcccaat g
```

<210> 8630
<211> 921
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (81)...(333)
<223> similar to gi4884077 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

```
    <400> 8630
cgtcgaccga aggactctcc gtttgatgca gacacaattg taatggagat gtaaaacttc     60
ttagcaatca gatggataaa ttgtttgctt ttcatttatt cacatttcat ggattgttac    120
acttcctcga tgggagcatt caaaaactaa tacaagctga gattatattg tctgacaatt    180
caagtatttt agttttagaa aacaatttcc tatttaaagt aaaaagcaaa caatttatcc    240
atctgattgc taagaagttt tacatctcca ttacaattgt gtctgcatca aacggagagt    300
ccttcgtcct cagtatgatt gttactggct gagaacatac ggtgacctgt gttctgagtg    360
cctgcttgga aaagacctcc ctgtcatctg ccatactacg ggacaaatca gtatctactc    420
aaattcccac ttccagaatg agaggactca tcaggggttt aggagtttgc aaagccttca    480
aaatgtatcg tgcttgaatt ttgactcttc tgaaatagaa taactgacaa atgctcaaaa    540
aacaaacttg tttaactttt actgaaaagg ctctcagtga aaacttgttt tgaactctac    600
tagtaaggta gaatattagt ttttcttccc ctccacacca gaaaaggcag ttttctcttt    660
ttttttttc tggcatgcag catatataaa atgtgatcta gaattgaaat tgtaaaacag    720
aataatcctc ttaaagaaaa tcagcctatg aacagtcaga cttgtccttc catggaaaac    780
ataatctaaa cttctttaaa aactggccat attttttcag tctgtaattc cgaataatga    840
agatgggcat aacaaatttt tttgcttact agggaatgcg caaaagggat gagatgggat    900
                                                                     921
acacaggttt taaaaaaaaa a
```

<210> 8631
<211> 1325
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (406)...(813)

<400> 8631

```
aggcgccgga gcccagcggc tggcgccaga tccaggctcc tggaagaacc atgtccggca    60
gctactggtc atgccaggca cacactgctg cccaagagga gctgctgttt gaattatctg   120
tgaatgttgg gaagaggaat gccagagctg ccggctgaaa attacccaac caagagaaat   180
gtaggctggg taccctgaat caccccctgc aggatggact ttctggtcct cttcttgttc   240
tacctggctt cggtgctgat gggtcttgtt cttatctgcg tctgctcgaa aacccatagc   300
ttgaaaggcc tggccagggg aggagcacag atattttcct gtataattcc agaatgtctt   360
cagagagcca tgcatggatt gcttcattac cttttccata cgagaaacca caccttcatt   420
gtcctgcacc tggtcttgca agggatggtt tatactgagt acacctggga agtatttggc   480
tactgtcagg agctggagtt gtccttgcat taccttcttc tgccctatct gctgctaggt   540
gtaaacctgt tttttttcac cctgacttgt ggaaccaatc ctggcattat aacaaaagca   600
aatgaattat tatttcttca tgtttatgaa tttgatgaag tgatgtttcc aaagaacgtg   660
aggtgctcta cttgtgattt aaggaaacca gctcgatcca agcactgcag tgtgtgtaac   720
tggtgtgtgc accgtttcga ccatcactgt gtttgggtga acaactgcat cggggcctgg   780
aacatcaggt acttcctcat ctacgtcttg accttgacgg cctcggctgc caccgtcgcc   840
attgtgagca ccactttct ggtccacttg gtggtgatgt cagatttata ccaggagact   900
tacatcgatg accttggaca cctccatgtt atggacacgg tctttcttat tcagtacctg   960
ttcctgactt ttccacggat tgtcttcatg ctgggctttg tcgtggttct gagcttcctc  1020
ctgggtggct acctgttgtt tgtcctgtat ctggcggcca ccaaccagac tactaacgag  1080
tggtacagag gtgactgggc ctggtgccag cgttgtcccc ttgtggcctg gcctccgtca  1140
gcagagcccc aagtccaccg gaacattcac tcccatgggc ttcggagcaa ccttcaagag  1200
atctttctac ctgcctttcc atgtcatgag aggaagaaac aagaatgaca agtgtatgac  1260
tgcctttgag ctgtagttcc cgtttattta cacatgtgga tcctcgtttt ccaagaaaaa  1320
aaaaa                                                              1325
```

<210> 8632
<211> 2676
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1217)...(1718)

<400> 8632

```
tttcgttgca gcgaaaggaa atctcgctct tccgaaagtc ctccagggcg agagaggaaa    60
gggcctaggt actgtgctgg ggtcgcacag ccggccgaga cagtgccggg acggggagcc   120
aggcttccga gtgcgcccgg tcactgactc ctccgcgctt tcctcgtgcg cctgcagccc   180
ttggttcttg gaaacgccgg cgccttgttc agggctggtg gggctggggc gcaaggtgca   240
gctgacaatg cccgagagga gccgcagcct ctggtggagt tcggtcgggt gtgggggtag   300
tcaaggaaag aagcaaaggg aatacctcct ctgaaaaatg gcagaagcag ttttccatgc   360
cccaaagagg aaaagaagag tgtatgagac ttacgagtct ccattgccaa tcccttttgg   420
```

```
tcaggaccat ggtcctctga aagaattcaa gatattccgt gctgaaatga ttaacaacaa    480
tgtgattgtg aggaatgcgg aggacattga gcagctctat gggaaaggtt attttggaaa    540
aggtattctt tcaagaagcc gtccaagctt cacaatttca gatcctaaac tggttgctaa    600
atggaaagat atgaagacaa acatgcctat catcacatca aagaggtatc agcatagtgt    660
tgagtgggca gcagagctga tgcgtagaca ggggcaggat gagagtacag tgcgcagaat    720
cctcaaggat tacacgaaac cgcttgagca tcctcctgtg aaaaggaatg aagaggctca    780
agtgcatgac aagcttaact ctggaatggt ttccaacatg gaaggcacag caggggggaga   840
gagaccttct gtggtaaacg gggactctgg aaagtcaggt ggtgtgggtg atccccgtga    900
gccattaggc tgcctgcagg agggctctgg ctgccaccca acaacagaga gctttgagaa    960
aagcgtgcga gaggatgcct cacctctgcc ccatgtctgt tgctgcaaac aagatgctct   1020
catcctccag cgtggccttc atcatgaaga cggcagccag cacatcggcc tcctgcatcc   1080
tggggacaga gggcctgacc atgagtacgt gctggtcgag gaagcggagt gtgccatgag   1140
cgagagggag gctgccccaa atgaggaatt ggtgcaaaga aacaggttaa tatgcagaag   1200
aaatccatat aggatctttg agtatttgca actcagccta gaagaggcct ttttcttggt   1260
ctatgctctg ggatgtttaa gtatttacta tgagaaggag cctttaacga tagtgaagct   1320
ctggaaagct ttcactgtag ttcagcccac gttcagaacc acctacatgg cctaccatta   1380
cttttcgaagc aagggctggg tgcccaaagt gggactcaag tacgggacag atttactgct   1440
atatcggaaa ggccctccat tttaccatgc aagttattct gtcattatcg agctagttga   1500
tgaccatttt gaaggctctc tccgcaggcc tctcagttgg aagtccctgg ctgccttgag   1560
cagagtttcc gttaatgtct ctaaggaact tatgctgtgc tatttgatta aaccctctac   1620
tatgactgac aaggaaatgg agtcgccaga atgtatgaaa aggattaaag ttcaggaggt   1680
gattctgagt cgatgggttt cttcacgaga gaggagtgac caagacgatc tttaacaatt   1740
caacctcaaa tttctaattt caccaacaac tatttattga gggctaggta aaaagttctt   1800
tttgttgtaa tcgtccatta attcataagt tttaaagggc atggtgctcc cagcaccaga   1860
aaactatcag tgtttttaaa gataaattac acaagggagg agaaagatcc ctgtgctagg   1920
actgcagatt ctatacttgc gttggcctct aactctccaa tccagagcct cctgcctctg   1980
gcgtcagtct tttccctcat ccactcactg gggagattgg actagatgag tcctgagagg   2040
acacttccaa caagagacat ttattctctg attttacctg aaaatggtag tagtttacat   2100
ttatacagta cagtttatga agcactttca tacgcaggca tctcttgtta cctacatcta   2160
agctgttccc gaaagagtgt tacagaacac aacagtattg tacaatattc gataagcata   2220
tcttcactgc acttgttata aaaatgagtg gtgaaataat gtttggagac ataatgaaag   2280
cgattaacat ttggcaaaat ataataaagc ctttttgtaa ttggtgagaa agtcatgaag   2340
acttaagttg cctcagggca tctggtggca agaggaggga gatgggtggc tgggcatggt   2400
ggcccatgcc tgtaatccca gcacttggga ggccttggga ggccaaggcg catggatcgc   2460
ttgagcccag gagttggaga ccagcttggg caacatggtg aaacctcctc tctactaaca   2520
aaaattatcc aagcattgtg gcacatgcct gtaattccag ctgctcagga gactgaggta   2580
ggaggatcgc ttgagcccag gaggaagagg ttgcagtgag cggagattgt gccactgcaa   2640
tccagcctga gcaatagagc aaggtcctgt ctcaaa                             2676
```

<210> 8633
<211> 1330
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1331)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (73)...(848)
<223> similar to gi5670007 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 8633
ccgagcggcg gagtccggga cgtggagacc cggggtcccg gcagccgggc ggcccgcggg   60
cccagggtgg tgatgcaccg ccgcggggtg ggagctggcg ccatcgccaa gaagaaactt   120
gcagaggcca agtataagga gcgagggacg gtcttggctg aggaccagct agcccagatg   180
tcaaagcagt tggacatgtt caagaccaac ctggaggaat ttgccagcaa acacaagcag   240
gagatccgga agaatcctga gttccgtgtg cagttccagg acatgtgtgc aaccattggc   300
gtggatccgc tggcctctgg aaaaggattt tggtctgaga tgctgggcgt gggggacttc   360
tattacgaac taggtgtcca aattatcgaa gtgtgcctgg cgctgaagca tcggaatgga   420
ggtctgataa ctttggagga actacatcaa caggtgttga agggaagggg caagttcgcc   480
caggatgtca gtcaagatga cctgatcaga gccatcaaga aactaaaggc acttggcact   540
ggcttcggca tcatccctgt gggcggcact tacctcattc agtctgttcc agctgagctc   600
aatatggatc acaccgtggt gctgcagctg gcagagaaga atggctacgt gactgtcagt   660
gagatcaaag ccagtcttaa atgggagacc gagcgagcgc ggcaagtgct ggaacacctg   720
ctgaaggaag ggttggcgtg gctggactta caggccccag gggaggccca ctactggctg   780
ccagctctct tcactgacct ctactcccag gagattacag ctgaggaggc cagagaagcc   840
ctcccctgac tgcatgtgga agggcacaca gcagcaggca gggaggaggc ggaggtggca   900
aataaacctg ggagtagagg tcagtgaaga gagctggcag ccagtagtgg gcctcccctg   960
gggcctgtaa gtccagccac gccaaccctt cctttagcag gtgttccagc acttgccgcg 1020
ctcgctcggt ctcccattta agactggctt tgatctcact gacagtcacg tagccattct 1080
tctctgccag ctgcagcacc acggtgtgat ccatatttga gctcagctgg gaacagactc 1140
attcctaatg ttgtaaaata cagcccgaac tgcaagttgc ttattgtttc aaaatccagt 1200
ggatatcttg acctacgtgg cttggaagat aagtggtttt cccaaaaacc gtgttattgg 1260
aagcggttgc aatctggatt cagccgattc cgttacctan tgggggaaaa gctgggagtc 1320
                                                                   1330
anccattaag

<210> 8634
<211> 2193
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (173)...(1130)
<223> similar to gi5725223 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8634
cctagttgag gctaacagtc agtatccagc ctcaacattc agcagaggcc ccagatcagc   60
gtctgagcca ggccaacaat gaccaaggag gatgggatcc tgggtgcagc tcatcacaag   120
cgtcggggtg cagcaaaacc atccaggctg gacagtggct ggacagttcc aagaaaagaa   180
acgcttcact gaagaagtca ttgaatactt ccagaagaaa gttagcccag tgcatctgaa   240
aatcctgctg actagcgatg aagcctggaa gagattcgtg cgtgtggctg aattgcccag   300
ggaagaagca gatgctctct atgaagctct gaagaatctt acaccatatg tggctattga   360
ggacaaagac atgcagcaaa aagaacagca gtttagggag tggtttttga aagagtttcc   420
tcaaatcaga tggaagattc aggagtccat agaaaggctt cgtgtcattg caaatgagat   480

7215

```
tgaaaaggtc cacagaggct gcgtcatcgc caatgtggtg tctggctcca ctggcatcct    540
gtctgtcatt ggcgttatgt tggcaccatt tacagcaggg ctgagcctga gcattactgc    600
agctggggta gggctgggaa tagcatctgc cacggctggg atcgcctcca gcatcgtgga    660
gaacacatac acaaggtcag cagaactcac agccagcagg ctgactgcaa ccagcactga    720
ccaattggag gcattaaggg acattctgca tgacatcaca cccaatgtgc tttcctttgc    780
acttgatttt gacgaagcca caaaaatgat tgcgaatgat gtccatacac tcaggagatc    840
taaagccact gttggacgcc ctttgattgc ttggcgatat gtacctataa atgttgttga    900
gacactgaga acacgtgggg cccccacccg gatagtgaga aaagtagccc ggaacctggg    960
caaggccact tcaggtgtcc tcgttgtgct ggatgtagtc aaccttgtgc aagactcact   1020
ggacttgcac aaggggggaaa aatccgagtc tgctgagttg ctgaggcagt gggctcagga   1080
gctggaggag aatctcaatg agctcaccca tatccatcag agtctaaaag caggctaggc   1140
ccaattgttg cgggaagtca gggaccccaa acggagggac tggctgaagc catggcagaa   1200
gaacgtggat tgtgaagatt tcatggacat ttattagttc cccaaattaa tactttata    1260
atttcctatg cctgtcttta ccgcaatctc taaacacaaa ttgtgaagat ttcatggaca   1320
cttatcactt ccccaatcaa tacccttgtg atttcttatg cctgtcttta ctttaatctc   1380
ctaatcctgt cagctgagga ggatgtatgt cacctcagga ccatgtgata attgcgttaa   1440
ctgcacaaat tgtagagcat gtgtgtttga acaatatgaa atctgggcac cttgaaaaaa   1500
gaacaggata acagcaattg ttcagggaat aagagagata accttaaact ctgaccaaca   1560
gtgagccggg tggaacagag tcatatttct cttctttcaa aagcaaatgg gagaaatatc   1620
gctgaattct ttttctcagc aaggaacatc cctgagaaag agaatgcacc cctgagggtg   1680
ggtctataaa tggcctcctt gggtgtggcc attttctatg gtcggagact gtagggatga   1740
aataaacccc agtctcccat agtgctccca ggcttattag aaagagggaa attcccgcct   1800
aataaatttt ggtcagaccc ggttgctctc aaaaccctgt ctcctgataa gatgttatca   1860
atgacaatgg tgcccgaaac ctcatttagc aattttaat ttctccccgg tcctgtggtc    1920
ctgtgatctc gccctgccgt ccacttgcct tgtgatattc tattaccttg tgaagtaggt   1980
gatctttgtg acccacaccc acacctatt catacactcc ctcccctttt gaaagtccct    2040
aataaaaact tgctggtttt tgtggcttgt gaggcatcac ggatcctacc aatgtgtgat   2100
gtctcccccg gacgcccagc tttaaaattt ctctcttttg tactctgtcc ttctatttct   2160
caaaccggcc aacacttagg gaaaatagaa aag                                 2193
```

<210> 8635
<211> 1115
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (666)...(800)
<223> similar to gi2062680 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8635
```
gaggtttaac ttcagcctag tgcacggaag acatggtaaa tggtcatcgc ttctcccttg     60
aatggaccga gggccccccga ctcccatagc actaccccat aaagtctagg ctcccgactt    120
cggcattcaa ggccttcagt gataaatcca ggcccaccat ccgtccccac accacctttc    180
acacaccccc tgccccacc ctcgcaggcc tcttatttta gctgcacatg ctctccctgc     240
ctccgaaatg cttgcggcct ttcctttcca tttattgacg cccttgtgtt ctctctgagc    300
agcccttccc tgtgtcccta gctggagttc ctcactccct cctcagtgtc ctgaagcttc    360
ttgttagagc tgctgcagcc actgcgtgtg tctgacagca agtctgcagc ctctgcctcc    420
cttgcgggac tgcaggtgac ttgaaggcac agcctggttc ccaggaggct ggctttcgtg    480
```

540
600
660
720
780
840
900
960
1020
1080
1115

```
ccactggccc cagggctgaa ggcaggccag ctccagccac ctgctgagtc tcctaagtcc    540
agagtgtcag agacctcaag agactctcac ccactgaccc acctggggac tctggaaatc    600
gggatgtgac cagggaagac cctgtcacgg ggcctctgaa ttcagcctca tcccaagtcc    660
ccactctata cttgtgtctg cagaacagcc tgcttggaca cagctcggtg gaagatgcga    720
gggcaacgat ggagctctat caaatctccc agagaatccg agcccgccga gggctgcccc    780
gcctggctgt gtcagactga agccccatcc agcccgttcc gcagggacta gaggctttcg    840
gcttttgggg acagcaacta ccttgctttt ggaaaataca tttttaatag taaagtggct    900
ctatattttc tctacgccaa aaaaaaaaaa aggggggggc cgtttaaaag aaccaatttt    960
tacgcccggg gggggggaag gtaaaatttt tttttggggg ccccaaaatt aaattccggg   1020
ggccgggttt taaaaacggg gggggggaa aaacccgggg gttacccaaa ttaaagggtt   1080
tggaaaaaaa cccctttttg gcaggggggg gaaaa                              1115
```

<210> 8636
<211> 4114
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3677)...(3328)
<223> similar to gi4884355 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8636
```
acggtacagc aagtcaccaa gattttgcac agttgcccct ctgttcttcg agaggacctg     60
ggtcaactgg aatacaagtt tcagtatgca tacttcagga tgggaattaa gcatccagac    120
attgtaaaga gtgagtactt gcagtattca ctaaccaaga ttaagcagag acacatttac    180
ctggagcgcc tgggacggta ccaaacccct gataagaagg ggcagacaca gatccctaac    240
ccattgctca aggacattct cagagtttca gaagctgagt ttttggccag gacagcctgt    300
acttctgttg aggagtttca agttttaag aagctcctgg ctcgggagga ggaggagtct    360
gagagcagca catctgatga caaaagggca agtctggatg aggatgagga tgacgatgat    420
gaggaggaca atgatgagga tgacaatgat gaggatgacg atgatgagga cgacgacgag    480
gcggaggaca atgatgagga tgaggacgac gaccaggagg aatagctgtg atggaaggac    540
tagagcgaaa gggcccagag atatcaagga agcttttcat tctcttaaag cttttgggtc    600
ctttacttga atcttctcaa gttatttttt attctaaaac tggtctcttg atgaaaaaaa    660
ttataagtca cctgagaggc agacagatca aaccaaacag gaaacaggaa atgcatgttt    720
gatctgttgt cacgtgtctg tggggagggc cctgtcccat cctgaataag atacttatgt    780
tgagctattc acatcaaggg gactcaatat atcaacaatt ggttttattt ttttctcttt    840
tgaatatgtt ggtgataatt ccgtgacagt tggaagatgg ggttcattct tccggttcag    900
gaatcactat gtatttcctt cttgtgataa aaataaaatt acgagaaggc aatgtgaggt    960
tttagtacat catagcactt tatttatga aaacatgtag cagattttcc acaaaaatgc   1020
ttatttttaa tccaaaagta tattgcttca taatggtatt cagtgcacag cagagtaaaa   1080
gaagttaatt catgatgtac tggttaattt tgcatggctt cttaaggcca gcaaaatgct   1140
ggcagttttc tttatctttg tgaagaacag gcccttcctg tttggggaag ttggctttta   1200
tgtcagctct tggccagtgg tcacttccaa gcctggtgtc tccggccctg tagtctgtag   1260
tgccagactg tgctggcctg gagagtgctg gggcaggtgg aggccaggga atggtcccat   1320
acagttatct cccctgccct ggttacagac agcttcgaga accagaggag aagagcatag   1380
ggtcatggag caggtggggt taaaccaggg ccccaaggag caaatccgtg accccccaaa   1440
ttggttttgg gggggggggg ggggcttgtc accttaggga actcaatgag tccgaagaac   1500
aatttgaaat gttgggaaaa gagaagagga atttgatgtc agccggggtg atccctgagg   1560
```

```
tagaggcctg tctctgatgg catgagctct aagagggtcc tggaggattg gtacatccta   1620
gaacattcca gttagccctc ttttagggga aactggcata ggattgatgc agaaggcatt   1680
tttgatgatg ggaccaaaat tcaagtctcc ttggtagcat tctaggatca actagatcct   1740
aggatctggt agattgtagg attctagtgg gtagaggcca ggggtgctgt gaaacatcct   1800
gcagtgcaca ggatggtccc acaagagagg atgatccggc ccagaatgtc agtgctgagc   1860
ctgagaaact catctaaggc ctggtccaca acagtaatgt gactgttcac tcgtgacaac   1920
ttcagatggt aaatggactt aggatcgtat tattttattt aaaagaaaaa taaggagctg   1980
gttttcagc cgggttcctt tcccctatgc actggaatac ccctggtagg tgtgagctgc    2040
atgcaattgt ggggattcag cactgaaatc taggtgcttt tgttttctcc agcagcctcg   2100
tcttacagcg tgactgcaaa gaaaaagact tttgttttgc aaaagaaaag cagctcggtg   2160
actccgtcca catcgccaca gttgagtcag atggcagtgg cagtcctttg ccagtggaag   2220
gagttcctgc taagggggag tgcaggaggt gagctgatac ctgagtgggg cccttgcctg   2280
ttgggttctc tactggagga cagtgggcac agcaaagatt cccttacttg tacctggcag   2340
cccacacgca atggggaaaa gggagagttt gtctttattg ccttgcttgg ccataggcaa   2400
aactgtttgg aaatgagaca tttcactgtg ccagtgtttt cattttctct tccattgtgg   2460
catcccggtc actgccaccc tccctagaac ctaggctgtt gttgtaccca gtcggaggac   2520
taagtagaat cctcagtctg cactttgtta gatgatcagt ccatcccggt ttcattagca   2580
gatgggtaat tcagcaactc aggattgctt cttctcatttt gatacagaaa tctttatgct   2640
cctgacagtt ttctgattct attattacta atttccttgg gtggactttg agtattttca    2700
aggaagccat ttgagttttt aaaagaagcc acatgggaaa agctgtggtg gcctctttgg   2760
aatgtttcaa gaacgaactg taattcctga gcaccaggaa gtcttttac ttgatattta    2820
atgtggaaaa catcccaatg ggcaagtcct gtgacagcac ttgggactca ggagccagtt   2880
cttgttgaca caaggcttct aagctaacac tggagcatat tagcatttgc tgtgtggcac   2940
caagcttggg actcaggagc cagttcttgt tgacacaagg cttctaagct aacactggag   3000
catattagca tttgctgtgt ggcaccaagc ttgggactca ggagccagtt cttgttgaca   3060
caaggcttct aagctaacac tggagcatat tagcatttgc tgtgtggctg aggggcttga   3120
ggtcctagta gggagtagaa agtttcctag taggattcac ctactttcc agtgatatca    3180
ctcgatctta gcatctgcta gtaatgctgt agcttacatg gacaaacagt gacaggtccc   3240
agggcggcag gaagtccgca gtacgcgttt gtgaacgtgg tttctctcag ttcacccagt   3300
gacccttcgc tgagctcgag acccttcatt gagctccacc ttctgctctc aagtgggtct   3360
ggagcctggg gaacagctcg ggagtacagg tgaaacttct cgaattgcct gttccttctt   3420
tctgaaaatg acaaattgca gaatacacag acacatgcac atgaaatttt aataaagata   3480
aaaagcctaa aatatactct aactcttcaa aaaacatttt tatgaaagag gaaaggaagg   3540
aggccctctt tgtggctgga atgctggctc tgagcagagt cagggtgacg cggcagggcg   3600
ctggctttcc agctgggtca gcggtcgtga ggctcaacac gagaggaggt ggggtggctg   3660
ctttggttgt aacattagca gggggaagac agctgcttag aagcatggtg ggaagcagat   3720
gtggtgaagt gccgtactgt tctgcttaca aagatgggga tgtctaagat cgtgtttact   3780
acctgatagc ctaaaacagt atcacttgag tcatggacta aaaggaacct taaacattgt   3840
ccagcccagc ccaggtgtcc atctctgttg cactgagact tgtaaggcgt ccttgctgct   3900
tcgtggcagt gtgccttagc tttccaagca ggggtctgaa tagctttttc catgaaaatt   3960
cagggtctt tctttgatac ccttgtgaac ttgtcattca ggggatggct tccactgttt    4020
aaggctgaag cctaggtgat ctcatagaac agggttcacc aaataaggcc catgggccaa   4080
tttggccacc acctgttatt gtaaataagt tttt                                4114
```

<210> 8637
<211> 3661
<212> DNA
<213> Homo sapiens

<220>   .
<221> misc_feature
<222> (899)...(2106)
<223> similar to gi1072250 in the genepept database release 114,

```
<400> 8637
aattcccggt tcgacgattt cgtcaggtcg ggagtgagaa ggaccggcct gggctgactg     60
ctctcccctc gcgcctaggg agccggtcgg agagcgcgat tggggtgcgg agccccgacg    120
ctgccctgcc ccggatttca ttccgcggcg ggggctccgc gagcggaatt ccggcggctg    180
ccgtgactcc agtgcaacgt gacgacagca tgtacgatcc ctgaatgggc ccgtgggcat    240
atttagtcat tcattttga tcaggagaaa gaagacagcc atcatttgaa aggtaaagct    300
tcagcgactg aaggagtgtg gactttttga atttcaagaa cagtaaagtt ggaacacagc    360
agagggtgtg taataaaata cagattggaa agaagactga tgaagaaaaa taacagcatg    420
attcaggcac accattgagt tctttgggat gcccgaaagt gtctggttgg gaaacatgaa    480
atagaagacg agaacctgcc tcagcaagcg tacctgagaa tacttttaaa ggaacctgtt    540
gataaatgca aaacagtggc tgttgcaggt gatggaactg tactggaaca atgggagaag    600
ctggtagctt ataggaagcc aagatgacca gaatgttttt aaataatcca aggaagaatc    660
ctgctcaaaa atgaggtgaa ttaatacttg ggcgctcagg aaccctggac agctacatga    720
ggtgtttaaa aactgccctg accatcttgc caaacaagtc tctgctcatg aggccccaca    780
ggatgaacga gccgaggcag gacagtgtcc tgccctgtcg gaacagtgac tgctgacctg    840
ccaagagaga gctgggggact gcctgctgtc tgccagtaca atgaaggaag tggtttattg    900
gtcacccaag aaggtggcag actggctgct ggagaatgct atgccagaat actgtgagcc    960
tctggagcat ttcacaggcc aggacttgat caacctaacc caagaggatt tcaaaaaacc   1020
cccttgtgc cgagtctcct ctgacaacgg gcagcggctc ctggacatga tagaaaccct   1080
gaaaatggag caccatttgg aagcacacaa gaacggccat gccaatgggc acctcaacat   1140
tggcgtagac atccccaccc ccgacggcag cttcagcatc aagattaaac ccaacgggat   1200
gccaaatggg tataggaaag agatgataaa gatccccatg ccagaactgg agcgctctca   1260
gtaccccatg gagtggggca agactttct ggcctttctt tatgcacttt cctgtttcgt   1320
tctcaccaca gtgatgatct cggtcgtcca cgaacgagta cctcctaagg aggtgcagcc   1380
tccactaccg gacacatttt ttgaccattt taaccgggtg cagtgggcct tttctatttg   1440
tgaaattaat ggcatgatcc ttgtaggact ctggttaatt cagtggctgc tcttaaaata   1500
caagtctatt attagcagaa gatttttctg catagttggc acgctgtacc tgtatcggtg   1560
tattacaatg tatgtaacta cactcccagt acctggtatg catttcaact gttctccgaa   1620
gcttttcgga gactgggaag cccaactgcg aagaataatg aagctcattg ctggaggtgg   1680
cttgtctatc actggctctc acaacatgtg tggggactat ctgtacagcg gccacacggt   1740
catgctaaca cttacctact tatttatcaa agagtattcc cctcggcgac tctggtggta   1800
tcactggatt tgctggcttc tcagcgtagt tggaatcttc tgtattctct tagcgcatga   1860
ccactacact gtggacgtgg tggtggcata ttacatcacc acgagactct tctggtggta   1920
tcacactatg gccaatcagc aagtgctaaa ggaagcttcc cagatgaacc tcctggccag   1980
ggtgtggtgg tacaggccat ttcagtactt tgaaaagaat gtccaggaa ttgtacctcg   2040
atcttaccat tggcctttcc cctggccagt agtccacctc agtaggcaag ttaaatacag   2100
ccggctggtg aatgacacat aacagctgta caaagtgggg aaaagacaaa ttgtccgaag   2160
tgctaagaac tccatgagag aagatgccat aaaataaaca cctccctaat cctattatct   2220
ttcaatggtt accttgactt aacctattga gttacctggt cagcactgtg atcttttttt   2280
ctctccaaag gacctgcgtt ggacaacaat aaagaaaaat ttaacctatc atgcactgta   2340
cacatttcct gttcataagt ttgggattta cataacccgc aaccaccatg ttcctttgta   2400
tatgatgcag cagcataaat gtaagctttt atatcataag ttctggtctt tccagtcaca   2460
tctggaaata aagcgtatta ttttcttggg aaaacatact tttcatatct cttgccccaa   2520
agattgggct gtaagccatt ttctagcaaa tgtctctatg aaggtttcta agtacctgaa   2580
tggggtttga ttctgaaatc tttctacctg ttgcaccgat attcaaataa aaatgataga   2640
cacagaaagg tttggtaact ttgggttttg taaaatcagc aaaggcagtg tttcaaaaag   2700
tgcaaaaaaa aagattctgt tataaagtga ttttctaagt atttcctaac tttatttttc   2760
aaaatgatgt tatgaacacc aaatttaaag attttaaca tgtcagagag aagagagtta   2820
aaatttaaaa atgcatcttg ggagagaaat ttgtctatgt ttctagtgcc tttcttgtct   2880
tgattgtatg gtcagtaggc aatcttaaat gtttttattt aaaataaagt attccttgaa   2940
aatataaata tatgtataca ctactaaatt ttgcatttat agctaaattg aatcagaaga   3000
ctgcttatgg ttttaaaatt gcaatgactt aaataatgag gttgttaatt agagtcagag   3060
```

7219

```
cctgttcaca tattgtgatc aggtagcaat gacatgtacc acttaaatta ttttatcgtc   3120
gatttggtag ttcgatttta actactcaat gaaaacagcc atgaatatct tttcttaaag   3180
agagttttga aaatgatcac ttacctaaaa cttgaaagct atgaattagt tatccatact   3240
ctcatgacaa ttttgttggt gaacaacaaa aaagagatct atttctttaa aagatatttg   3300
tgcagaaact gcatgtaact ctaagtttta ctcctaacat acatatgttt ggggaagtat   3360
tctattctat acttgccaat gtggagaaca aaatagtttt ttaagaatga agaagtatat   3420
atatccattc tgtatttac gtgcagcaga attatcttcc gtaggatttt tttgtgtatt    3480
cacaaggtga tatttgtatt gtaaaacaat aatggtgaag gaaataaaaa ggctttttaaa  3540
attttgtttg ttttaaatct ttgtaaagtt attattccag agagtatact ggtatcttac   3600
agcttaccta gatcataaat taatcaaaat gcacttttta ataaaaactg atacttaaaa   3660
t                                                                    3661
```

<210> 8638
<211> 2363
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (713)...(1540)
<223> similar to gi4126978 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```
    <400> 8638
tttttttttt ctattgattg catgttgaaa tcttactttg gatatattgg attaaataaa    60
gtatatcatt aaaattttta agcttatgtg cctatgaaaa acttccaaat tacacagttg    120
gatggcgtta tatttctctt ggacagcagt ggtctgaaag atgacaaaaa tcacgatacg    180
tttgaatcac gccatgtctt tagggaaaag aagaaagaag agtttccttt cgtatcgctt    240
aggggttcct cgcaagaacc atctgacaga gaaaagccct ggctcccgcc ccagtggctt    300
ctaattctgg tccccgcgcc cagaaagccg ggaacgggca agcctggaaa ggcgttttga    360
aaggaaacag gatcccccga gtataggatg cgtttctgcc tcacaaaagt cccttggggg    420
tgggggacg gcagcggctg aggcgcagga aagaggagag cacacgggga gtggcccttg     480
gaaccaggcg cgcaaaacct cagccctag gctccatttc caggttcgcg ggtgacctcc     540
ccaagatggc cgccgcctgg gggcgggcct ccacgctgca cgggtgttga ttgggtgaga   600
cgactcaatg gtgagcaatg attggttcac acggcgcaag ctgggcggaa ccggaagatg    660
gtgtgagcca cgggctgccg ggggcctggg gctcggcgtc ggtccccggg ggatgtggag   720
agctggcagc atgtcggccg agctgggagt cgggtgcgca ttgcgggcgg tgaacgagcg   780
cgtgcagcag gctgtggcgc ggcggccgcg ggatctccca gccatccagc cccggctagt   840
ggcggtcagc aaaaccaaac ctgcagacat ggtgatcgag gcctatggac atgggcagcg    900
cacttttggc gagaactacg ttcaggaact gctagaaaaa gcatcaaatc ccaaaattct   960
gtctttgtgt cctgagatca aatggcactt cattggccac ctacagaaac aaaatgtcaa   1020
caaattgatg gctgtcccca atctcttcat gctggaaaca gtggattctg tgaagttggc   1080
agacaaagtg aacagttcct ggcagagaaa aggttctcct gaaaggttaa aggttatggt   1140
ccagattaac accagcggag aagagagtaa acatggcctt ccaccttcag agaccatagc   1200
catcgtggag cacataaacg ccaagtgtcc taacctggag tttgtggggc tgatgaccat   1260
aggaagcttt gggcatgatc ttagtcaagg accaaatcca gacttccagc tgttattgtc   1320
cctccgggag gagctgtgta aaaagctgaa catccctgct gaccaggttg agctgagcat   1380
gggcatgtcc gcggatttcc agcatgcggt tgaagtagga tctacaaatg tccgaatagg   1440
aagcacgatt tttggagagc gggattactc aaagaaaccc accccggaca agtgcgcagc   1500
agacgtgaag gccccgctgg aggtggcaca ggagcactga gccagggaat actgagagca   1560
```

```
ctaactatgc actaacctag attttcattt cgatattccc tgtgtcccag cgcagtcctg    1620
ctctcctgtg acctgtggag agcactaatg atcacgtgtg ttgatggaaa ccatctgtgc    1680
ttagtctctg acataggaag cttgcttcag gcaatggctt tggattgagt ttgagaaatt    1740
caaacatttc tgcagaacag ataccaaatc aatagctagg aatcatgttc aatattgaat    1800
tctgcccagg agcatgaact gatccatgaa tgccttttcc aggttaaaat ttggtcactg    1860
atgcctataa tcgtggaagt cagagggatt cccctttttc atctcatttt aataggaaaa    1920
ttccttatgg ttaacatctc cctacaaact cctactacgt cgtctaaatt gctgctctgg    1980
aataaggtga tttctgcccc cagattcttc cctagccggt agatacgtga agatattccc    2040
aactgtggaa tggcagtgta ggtagcttca ggaaatggct caggttaatt ctcaaaacac    2100
aaattgttgc tggccaggca tggtgactca tgcctgtaat cccagcaatt tgggagacag    2160
aggcggaagg atcacctgag cctaggagtt caagaccagc ctcagcaaca gcaggagccc    2220
cacccccgt ctctacaaaa aaatttaaaa attaactggg catggtggct gaggtggaag    2280
aatggaagaa tcacttgagc ccaggagttt gaggctgcag tgagctatga ttgcaccact    2340
gtactcctgc cttaaaaaaa aaa                                           2363
```

```
    <400> 8639
caggcgcttc cgccaccatg gcttcacgtg gggttgttgg cattttcttc ctctctgctg      60
tcccccttgt gtgtctggag ctccggcgtg ggatcccgga tataggaatc aaggattttc     120
ttttgctttg tggccggatt ttgctactgc ttgctcttct tactttaatt atttctgtga     180
ctacctcatg gcttaactca tttaaatctc cccaagttta tctgaaggaa gaagaagaaa     240
agaatgagaa aagacaaaaa cttgtgagaa aaaaacaaca agaagcacaa ggagagaagg     300
ccagcagata catagagaat gttttaaaac ctcaccagga aatgaaattg agaaaactgg     360
aggagcgctt ttatcaaatg acgggtgaag cctggaaatt aagcagtggt cacaaacttg     420
ggggtgatga aggtacaagt cagacatctt ttgaaacatc aaacagagaa gcagcaaaga     480
gccagaactt gcctaaacct ttaactgaat ttccgtctcc tgctgaacag cccacatgca     540
aggagattcc tgatttacct gaagaacctt ctcaaacagc agaagaagta gttactgttg     600
ctctccgatg tcccagtggg aatgtcctga ggagaaggtt tttgaagtcc tacagctcac     660
aggtcttatt tgactggatg acgagaattg ggtaccacat atctctatac agcctttcta     720
cttcctttcc cagacggcct ctggcagtgg agggaggcca gtcgctggag gacataggaa     780
taactgtgga cactgtactc atcctggagg agaaggagca gaccaactag gaaagaaggg     840
agagctccct gtttgcatga agtcagttat gctatgacct tctggcacaa taaaggcttc     900
actttcaaat cacaccatac cttgattgag ctcatggcag taaactttga acattgatat     960
ccatgggaat aggattagaa aaggattgct ttctatatat aataatctgt ggactgtgcc    1020
attttacagt gtaccaaatg agaatgaggt tgaaatgtat gcagtaaggt actcagtaat    1080
taattggtat tttttcccag ctgacatgat ttctcagtgt tagaaaacaa acccttagaa    1140
ctttcctttc tgcctcttca atccatctta ccacacaata tttcatgatt caaattcttc    1200
aaagtcttat acgcaggaat gtttattctg ctgtatttct gtggaaatta aaaacttgga    1260
aaaagcttca aaagctcttg gaggctttaa agttctttct gttgggtgtg cattacagtt    1320
tacttaactg atgtttggcg atttatataa ttttggcctg ttattaaatg ttacaaagtt    1380
```

ccaaatgaat cagtattta aaaaataaaa ctatgaaagc cttaaaaaat aggtgaattt   1440
                                                                    1452
ttaaaaaaaa aa

<210> 8640
<211> 1316
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (158)...(856)
<223> similar to gi1244515 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8640
                                                                     60
gcggccgcca acgccgcccg gactggagcc ctgacattgc tgcgctctgg gggctccagg   60
cagcccgtat cggggccttt atttctcgtc ggcggcgccc tgcaccgcgc ctcgcaaagc   120
caaacaccag agcaccctag aaggtttaac taaaagaatg ctcatgtttg acccagttcc   180
tgtcaagcaa gaggccatgg accctgtctc agtgtcatac ccatctaatt acatggaatc   240
catgaagcct aacaagtatg gggtcatcta ctccacacca ttgcctgaga agttctttca   300
gacccagaa ggtctgtcgc acggaataca gatggagcca gtggacctca cggtgaacaa   360
gcggagttca cccccttcgg ctgggaattc gccctcctct ctgaagttcc cgtcctcaca   420
ccggagagcc tcgcctgggt tgagcatgcc ttcttccagc ccaccgataa aaaaatactc   480
accccttct ccaggcgtgc agcccttcgg cgtgccgctg tccatgccac cagtgatggc   540
agctgccctc tcgcggcatg gaatacggag cccgggatc ctgcccgtca tccagccggt   600
ggtggtgcag cccgtcccct ttatgtacac aagtcacctc cagcagcctc tcatggtctc   660
cttatcggag gagatggaaa attccagtag tagcatgcaa gtacctgtaa ttgaatcata   720
tgagaagcct atatcacaga aaaaaattaa aatagaacct gggatcgaac cacagaggac   780
agattattat cctgaagaaa tgtcacccc cttaatgaac tcagtgtccc ccccgcaagc   840
attgttgcaa gagtaagtat atttaggtct acccagcatt tgcatagtag tgtgcatctt   900
ggaacctgga gcagaagcac aagatttcac acgtgtgatg tggtgtggat gaccaggaac   960
ggcttgtgat ctgtggccgc cactggtcca gtaccactgg tcaagatggg agaatctctc 1020
caaaaacaat atgctgttac actgacaacg ttatgacaaa agttacatca agttttcatg 1080
gaatcagtca tccatgattt tgcaccttac cacatgaatt atttttgttt tttttccatt 1140
cttccaggct atgtatactt agtttttcca ttatgagaat ccttgtatag attaaacttg 1200
gtgttctgtg gatcatgtaa agttttcatg tggacacaca tagtccttac agagtgtata 1260
gtatcctgta gaattgctat ccagtaggaa ggctgtgcag tgttggcagc atccat   1316

<210> 8641
<211> 1806
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (150)...(1230)

7222

<400> 8641

```
tcgatgctcc acgtaggagc tggctcggct gccggctgcg gtcagggcca ccgtataaag    60
agggcggcag acccgagcgc ctaggactcg ccgctgcccg cgccccgccg ccgctgctgc   120
ccccagcccc ggccccaggc gtcccagcca tggtccgccc aatgctcttg ctcagcctcg   180
gcctcctggc tggtctgctg ccggcgctgg ccgcctgccc ccagaactgc cactgccaca   240
gcgacctgca gcacgtcatc tgcgacaagg tggggctgca gaagatcccc aaggtgtcag   300
agaagaccaa gctgctcaac ctacagcgca acaacttccc ggtgctggct gccaattcgt   360
tccgggccat gccgaacctc gtgtcattgc acctgcagca ctgccagatc cgcgaggtgg   420
ccgccggtgc cttccgcggc ctcaagcaac ttatctactt gtacctgtcc cataacgaca   480
tccgcgtcgt gcgtgccggt gccttctacg acctgaccga gctgacctac ctctacctgg   540
accacaacaa ggtcactgag ctgccccggg ggttgctctc ccgctggtc aacctcttca   600
tcttgcagct caacaacaac aagatccgtg agctgcgcgc agggcccttc cagggagcca   660
aggacctgcg ctggctctac ctgtcggaaa acgcgttgag ctccctgcag cccggggccc   720
tggacgacgt ggagaacctc gccaaattcc acgtggacag gaaccagctg tccagctacc   780
cctcagctgc cctgagcaag ctacgggtgg tggaggagct gaagctgtcc cacaaccccc   840
tgaaaagcat cccggacaat gccttccagt cctttggcag atacctggag accctctggc   900
tggacaacac caacctggag aagttctcag atggtgcctt cctgggtgta accacgctga   960
aacacgtcca tttggagaac aaccgcttga accagctacc ctccaacttc cccttcgaca  1020
gcctggagac cctcgccctt accaataacc cctggaagtg tacctgccag ctccgggggcc  1080
ttcggcggtg gctggaagcc aaggcctccc gcccagatgc cacctgtgcc tcacctgcca  1140
agttcaaggg ccagcacatc cgtgacacgg acgccttccg cagctgcaag ttccccacca  1200
agaggtccaa gaaagctggc cgccattaaa caggttctga cccagccagt cctggtgact  1260
ggcctctgcc ttccaccgga gagactactg accttctcac ctccacccat accttctccc  1320
cacagccttt gttgatgcac agagctgcct acacctagac acgtcctggc aggggggcctc  1380
gggcactcca ctaccaaccc agctccaccc agcagtgtcc tggggagaag gaaggctgag  1440
cctctcccca gccttcatgc cttccccacc ctccagctcc tcttggagaa gctgttgctg  1500
agacccccccc ccccccccca agtcaatcag aaccacaaca ggttggtcat caggatggcc  1560
acccctccca ggatcatcct tcctctgttc ctctttccct gccacgtgga aacaatcatc  1620
agatccttgc cccacccctt gcttccagaa agggtttttaa agcccatgcc ccaactctgc  1680
cagcccccac ctgccaggac gttctagcag gacatcggtg ctttgctgtc catcttccca  1740
tgctgcaatt tcttcctgag atttctataa atataaatgt atgtatgtat tataagaaaa  1800
aaaaaa                                                             1806
```

<210> 8642
<211> 2036
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(2037)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1825)...(566)
<223> similar to gi2431772 in the genepept database release 114,

```
<400> 8642
tttttttttt ttaagagatt tacttcatct ttattaacag taccatagta ttccactgtc    60
tagtatacta taagtgatct atataccaat aatgaatact taagggtgtt tcaaatcttt   120
tattattaga aaagtgctgc cagaaacatc cttgccatgc ttctgtatgt actggtgcta   180
gtgtttctat cagataaatt tttagacatg aagtgaatta ctaggcatag gaaatataat   240
ttacactttt gatagatact gagtttttgc tcatttgcta catgaagcag aggcagagta   300
ttctgtgtgg ggtttgggac aggaacactg acccctgaag tcgagcctgg gggtctaaca   360
tagtggtcat ttgtccagcc tgttttatgg aaggaactgg actctgagct ttggggaatt   420
tcctgcaaga taaatgtata tcccacctat actggtaaca ggtaagttat gcgcaaagat   480
gaaaagacaa agccctagct agatcagctc ttgctctcag cactacaatg gccagcggta   540
attctttcag ttaaaatgac aattaataca gtttcattga agcttcaaac agagcagcca   600
gatcctcttc tgactgggga cagggtgcaa gcttggtgac cctttcctgg ggcagcgttc   660
ctttcactag tgcggggata tcagctttgg agtaaccaac agctgctagg ccatcatcaa   720
catccagatc gaataagaat ttccggagcg tgtctgccaa caccagccct gcatcttgga   780
tcctggcagt gcgggtgtcg gctcccagta tttctgccat ctccaggtgt cgctctggaa   840
acatctgggc cgtgaaagtg aacaccgctg gggacgtgag caccacagaa aggccatggg   900
gcaccagtgg gtgatccaca ttgtaatcct ttgctttata catcttcact aaacctgaaa   960
ttgggtaaga cattccatgg cacagatgaa caccagcatt tccaaagccg atgccagcaa  1020
aagcacttgc caagtgcata tgagaccttg cttcaagatc atcgggattt ctgacagccc  1080
tcttcagata cttagccacg atccgcagcg cgtggatagc ccaaatgtca ctgattgggt  1140
tgctgccctg gtacgcaggc cgtgtgatgg gatttgaagg gcaggggctc cgcaggtggt  1200
agggcagggt ggtgtatgac tccagggcat ggcaaagcac atcaaagcca ctgttggcga  1260
ccactcgggc aggcatgtgg agggtgtgca gaggatcaat cagtcccagt gtgggtttga  1320
tggctctcga agtgatgcca atttttactt tcaagtgttc atagtcaaaa atggcaaccc  1380
cagtagtttc actcccggtt cctgaggtag ttggcactgc aatcagaggc ttaagaggca  1440
cagacacagg ctttcccttg ccaatggggg cactgacata atctaggaaa tcagaatgag  1500
ggctggatgc atacagatta gcagccttac aggtgtccat ggtagagcca ccaccgacag  1560
caacataggc atcaaaagct cccttttggg caaactcaat agcttccatg aagcttgaat  1620
ccgttggttc cactctcaca ttatcataaa ccgtaaaggg gatgccattc ttcactaggg  1680
aatccatagc tacttgcaca ggagggagct tggagaggtt cttgtctgtc atcaagcaca  1740
cattttttagc acccatgttt tttaggtcca ttcctacttc ctttgtaact gctgctccat  1800
atctaatatt tgaaacagcc atatactttc ttgacggaag ggcaatcctg tcccttttaaa  1860
ctcaataaag gcagcggcca ggtccttctg agtcccggta taattgccta gaacttaaca  1920
tttagaattc ccactccttg gtttacagcc gggtccgaaa aatagaaact cttccttcct  1980
cgtcgcattn nnnnatcgtc gncccggcgg ttccgttcct caaacgncag tagtat       2036
```

<210> 8643
<211> 521
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (45)...(524)
<223> similar to gi1330317 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8643

```
tggatcaatt ctcataggag ccacagcgcg gagactgtga aacatggttc caaaactgtt      60
cacttcccaa atttgtctgc ttcttctgtt ggggcttctg gctgtggagg gctcactcca     120
tgtcaaacct ccacagttta cctgggctca ggggtttgac gtccatcagt aggaaccagc     180
tccaatgcac caatgcaatg cgggtaatta acaattatca acggcgatgg aaaaaccaaa     240
atacttttct tcttgcaact tttgctaatg tagttaatgt ttgtggtaac ccaactataa     300
cctgccctca taacagaact ctcaacaatt gtcatcatag tggagtccag gtgcctttaa     360
tgtactgtaa cctcacaact ccaagtccac agaatatttc aaactgcagg tatgcgcaga     420
caccagcaaa catgttctat atagttgcat gtgacaacag ggatcaacga cgggaccctc     480
cacagtatcc agtggttcca gttcacctgc ataccatcat c                         521
```


<210> 8644
<211> 4493
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4417)...(845)
<223> similar to gi5924408 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8644

```
tttttttttt ttacgggatt gcaatgtatt ccttttatt  aaattataaa actgttgtca      60
atacatgtgc ttttggaaat agtgttttcc tcaagtatct gcttttgtgc agcacttggg     120
tttaaacaaa caacaaattt cgataccaac ttcttgggct tcaagctatt gagcacttat     180
agccaaacta tcaagtatag ttatgatata gacagtccaa atttatggaa aatattacaa     240
agacaaatgc cttgaaaaga tgacacagtg cagggaaaac tacagctatt aagctggtat     300
aaaaacttag tcaaatgtt  ttagtccatt atggctctgc ctaaagcttc aaaggaagaa     360
aatttaagac acttctcatc caaggcactt aaaagagttg caataaagta cttctttgaa     420
tttagtttga gcccaacagt attttttatt ccttttcac  attctgactc acactgaaac     480
agtccttgaa ggcagctatt aatgaggaaa aatagttatt gcttcttaat atacatatta     540
caagtacgca aacagaatac agatttcggt ccactgaagc aagtaacagg atctgactgc     600
agtgttctgc ttaattctga acaaaaagcc acagactcct ctaacccagt cccacaaata     660
gagccctcag ttctgaattt gcaccagctg tcccctgggt tctccatgag gacacacgag     720
ctggagtccc accacgtctc catggtgcat tctaactgga gaagaaccat cccggcggcc     780
tggcaggagt ggctagtctg atgccatgca ggcaggcctg ggagagtccg tgctcagaca     840
tctataattc tgtgtcccgg tatcgggcag actggccata gtaaccgcgc ttggagtgtt     900
ctgacagctg ctggcggtac tcctcctcct cggcatcact gccataactt cctctggtat     960
cctgataagg tctggaagga gctttctgtg gctcagggg  tctggaactc gtgtgctggg    1020
gcgtgccagg gtctggcttg tgcgttttga ttggaactgc atagatatca ggatgcttct    1080
gggcaatttc gatccttgca ttctgtgctt cctggagctc ctgcattctc tgtaacctgg    1140
ccttgtgatc catcttctca aatattttga ctttgcccag gactgatttg ggagcattat    1200
cttgctcctc actgctctct cccacctcct caccctcttg aggagggatg ggagtggagg    1260
gcttcagtat agaccgccca aaggtaggtt ttgctgcaac aggaggagga taacctttgg    1320
tagatgcccc aggagtttca ttaccagcaa cggcagaggg gtttgactta tattcatagg    1380
atttggagaa gtcataggat tcttctttgt tctgggtttt ggccttgggc ggctctggct    1440
tgaatgctgg gggcgggcta ttgtccctaa gttgatcgct gctagcagcc ctcctcatct    1500
```


7225

```
gagctcgtgg ctctgggctg ggtttcctta tgctctcctc gtgctgcacc ggctccgagg   1560
agcgggtgat ggacgacacc agcggctcct cggctggctc atccagctca ttgtcagtgt   1620
aggcgcctcc ttcaccgtcc gtgtcttcaa agtcactgat gaggcggctg tcgcaactca   1680
gatagtctgc gcccatggca gttaagtagg acatgcggtc ttcggggtca tcatccatcc   1740
cttccatctt tccttcagag acccaaaccg cttctccttg ctgatgctga atagtgtcct   1800
ttaagctgcc aaaccagcta tcattggctg aatttaggtt gattgtagct gtaaaaaggt   1860
gtgcacacgt tttttttaagc ttgttggctt gatcaaataa cttttcgagaa ctattgttgg  1920
acgttgggtc taacctttgt ctcatggtgt tgacaccttg tctggagtct ggcgtgaaag   1980
aaatcacaat tgagaaccac tgggtgtaat tcaacaggtc cacagctttc ggagtcacat    2040
ccagtagtgc atgcttatcc tgttcaataa cttgcctcac ggtatttaac cggaccactc    2100
cagtggattt ctcagatcct gcatcttttg gttccgtttt agcagtttga aaccagtcag    2160
gtaactcatt agccaatttt tccattgcta tatcagctat ggggccgaat aagaccacag    2220
gtctcttgaa accagcttct cgcagcaaaa ccctctcata agctgggaac ttggtgctga    2280
cagacacaac agctgtgagg tcttcccgac ttttcctcag gttcttcttc accccagacc    2340
tctggccacg cattctccag aaatctgccc ggtccccagc gttgtctctc tgggcatttt    2400
gaacactggc catttgttca gctctgctct tgttggggat taagcctttc tccaactcgt    2460
tcccaatcct cacagccagc cagttgccca gcttgccgtc atacagtgtg tctaccactc     2520
ggaagacctc ccctctggtg aaggccaggc tctgtggagt ttccttctca cattcaaagt    2580
ggcttcttat aaaaaacgaa tcccctctgc cacaagccag gatgtctcta tacacatcgg    2640
ctcggctctg agctaaaatg gtcaccattt cacctttagg gatttctaac aggtagagaa    2700
cggcatcctc ccgcactaat cctctgaaat cctgtgtgtt caccttcaga atctggtctc    2760
cttcttgaag gccctcctgc tccgccgagg tcccttcttg aatgccagca acaaatatcc    2820
cgacatcatt gccaccagcc aaccggaggc ccacgctgtc tcccttcttg aaccttacca    2880
tttttggtatt agggccatat attgcttcat cttcaggact aggacgaaga aaagttctcg    2940
gggctgcttt tggttgagga gctggggggtt cctcttggta tctgggttcc ttgttggtct   3000
ctgggacaac tgtgcctgca atatcccctg tggacttaaa gggagtgggt gtcgcaccca    3060
tcctggacaa tctgctcggc gtgtcctctc tggaacttgg cctttccttc agcttctcac    3120
ttgaggaatg ataatcataa tcagaatact gatgacgtct ctcctctgga gaaaatgatc    3180
gggttgactc tatttctgaa atatcttcta tttctgagtc actgtcattt aatgacggga    3240
tgttgatgag ggtctgctgg ctgtctctca acaccactag ctgtagtttt cctcttgact   3300
tttctatcaa ttttcgagca tccgttaaag acatgttctc agttacagtc ccattgatct    3360
tgagaattat gtctccttcg tgaaggttgc catctttagt tgccagaccc gttcgggtca    3420
tttccttttac gaagatctga ctcccaagcc ggagaccata ctcttcgttc gctctgcttt   3480
tcatcaggag gaccccgatg ggccccggcc gcccctagg ctcggggctg gggctccgtg     3540
agtgcgggtg ctcgcggctg cggcttcggg gtccccgaga gcgggcatcg tggcgggccc    3600
cgcgcctgta ctccgggctg taggcccgct cgtagtctgg gtcgtaggcc cggtgatagg    3660
ctcgctcgta gtcctggtca atgctccggc cgcggctgcg gtcacggtcc cggtcccggg    3720
atggcccaaa gtcgtggtcc aggccccgct ccaggctccg gccacggctg cggtctcggg    3780
tgcgcgcatg gtcttggtcc aggccccgct ccaggctccg gccacggctc cggtcccggc    3840
tgaggtcccg ctcccggctc cgggcccgct catggggacg cccccttcc gggctgtcct    3900
cccagctgcg gctgcgcccc ccatggctgt tcagccggct cctctcgctg tagccactcc    3960
ggaaacttct gccatcaaac tcgtccatca cctcaaaagc ccggtcatcc tgatccaggg   4020
gagggctggc ctgaagtgcg gccacctgga ccttccgggg cctcttgacc acaatagcag    4080
cgaccttccc actttttctg agctgctgaa ctgcaaacga atgaagcaca tcctccatgg    4140
gggtgccatt gaccatgacc actctgtcat tttcttggag cagcccatca gcaggcccac    4200
ccgggagcac atcagaaatg acaattgacg tttctccatt ttcaaagtgg gggttgtctc    4260
tgcctccgga cactgcaatt ccaaatcctc ttttggaatc cttttgtagg gtcacagtgt    4320
actgttccca tatcagctct tccatgcctg gggcgcggag ccaacctgac agctcccgcc    4380
ggggtggaaa cccgcggtct cctcgcaccg gcatttcgga cacaggtccc gcgtaggcgc    4440
gcagctccgg accccgcttc tgcttctgct cctgctccta ctcctcctgg gca          4493
```

<210> 8645
<211> 1854

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1855)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (781)...(1654)
<223> similar to gi2852630 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8645

```
atctctacta gaaatacaaa attagctggg cacggtggca catgcctgta atcccagcac    60
tttgggaggc caaggcaggt ggatcacctg aggttgggcg tttgagacca gcctgaccaa   120
catggagaaa ccctgtctct actaaaaaca caaaattagc cgggcgtagt ggcacatgcc   180
tgtaatccca gctacttggg aggctgaggc aggagaattg cttgaacccg ggaggcagag   240
gttgctgtga gctgagattg cgccactgca ctccagcttg ggcaacgaga gcaaaactcc   300
atctctaaaa aaaaaacaaa tgacattcct taagggccag ggacctttat tgtttagtcc   360
caacatattt ggggatttgg gggcgatagc cctactttga attgaaaaca atttgagggt   420
taactgcttg caaactgtca tgggtctcag tctccaacct ctgtggactg taggggagtc   480
aggcaccatt tggcctcctc cccagctctg tgatgtgctg cttctctaga ctgcaggcac   540
cacctgtgtg aaccggacat gaaactggtg tggcctagtg ccaagctgtt gcaggcagct   600
gcaggtgcat ctgcccgggc ctgtgactct gtcaccagca atgtactgcc tttactgctg   660
gaacagttcc acaagcacag tcagagcagc cagcggcgga caatccttga aatgctcctg   720
ggtttcttga agctgcagca gaaatggagc tatgaagaca aagatcaaag gcctctgaat   780
ggcttcaagg accagctgtg ctcactggta ttcatggctc taacagaccc cagcacccag   840
cttcagcttg ttggcatccg tacactgaca gtcttgggtg cccagccaga tctcctatct   900
tatgaggact tggagctggc agtgggtcac ctgtacagac tgagcttcct gaaggaggat   960
tcccagagtt gcagggtggc agcactggaa gcatcaggaa ccctggctgc tctctaccct  1020
gtggccttca gcagccacct cgtacccaag ctcgctgagg agctgcgtgt aggggagtca  1080
aatttgacta acggagatga gcccacccaa tgctcccggc atctgtgctg tctgcaagcc  1140
ttgtcagctg tatcaacaca tcccagcatc gtcaaggaga cactgcctct gctgctgcag  1200
catctctggc aagtgaacag agggaatatg gttgcacaat ccagtgacgt tattgctgtc  1260
tgtcagagcc tcagacagat ggcagaaaaa tgtcagcagg accctgagag ttgctggtat  1320
ttccaccaga cagctatacc ttgcctgctt gccttggctg tgcaggcctc tatgccagag  1380
aaggagccct cagttctgag aaaagtacta ttggaggatg aggtgttggc tgccatggtg  1440
tctgtcattg gcactgctac aacccacctg agccctgagt tagctgccca gagtgtgaca  1500
cacattgtgc ccctcttctt ggatggcaac gtgtcctttc tgcctgaaaa cagcttcccg  1560
agcagattcc agccattcca ggatggctcc tcagggcaga ggcggctgat tgcactgctt  1620
atggcctttg tctgctccct gcctcgaaat gtaagtgagc acatttggga agtactgtta  1680
tttaaccttg acaaggtgac tccgggctga aatttgccac aggctaagct gatcttttac  1740
ttcccccacc agagaagtta gttctcatcc gtcccggtcc ctgctgccac tatgtactgg  1800
ttctcttgga gttcaagtcg gacgcgtggg tcgacgtnaa ttccggagag ggac         1854
```
                                                                    1854

<210> 8646
<211> 6026
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (5679)...(4435)
<223> similar to gi3882249 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8646
tggggccaat aggaagatgg cggagtccgt agctgccgct gagctccagg cttctggggg   60
tccgcggcac ccagtgtgtc tgttggtgtt gggaatggcg ggatccggga aaaccacttt   120
tgtacagagg ctcacaggac acctgcatgc ccaaggcact ccaccgtatg tgatcaacct   180
ggatccagca gtacatgaag ttccctttcc tgccaatatt gatattcgtg atactgtaaa   240
gtataaagaa gtaatgaaac aatatggact tggacccaat ggcggcatag tgacctcact   300
caatctcttt gctaccagat ttgatcaggt gatgaaattt attgagaagg cccagaacat   360
gtccaaatat gtgttgattg acacacctgg acagattgag gtattcacct ggtcagcttc   420
tgggacaatt atcactgaag cccttgcatc ctcatttcca acagttgtca tctatgtaat   480
ggacacatcg agaagtacca acccagtgac cttcatgtcc aacatgctct atgcctgcag   540
catcttatac aaaaccaagc tgcctttcat tgtggtcatg aataaaactg acatcattga   600
ccacagcttt gcagtggaat ggatgcagga tttttgaggct ttccaagatg ccttgaatca   660
agagactaca tacgtcagta acctgactcg ttcaatgagc ctggtgttag atgagttta   720
cagctcactc aggggggggg gtgtctctgc tgttctgggt actggattag atgaactctt   780
tgtgcaagtt accagtgctg ccgaagaata tgaaagggag tatcgtcctg aatatgaacg   840
tctgaaaaaa tcactggcca acgcagagag ccaacagcag agagaacaac tggaacgcct   900
tcgaaaagat atgggttctg tagccttgga tgcagggact gccaaagaca gcttatctcc   960
tgtgctgcac ccttctgatt tgatcctgac tcgaggaacc ttggatgaag aggatgagga   1020
agcagacagc gatactgatg acattgacca cagagttaca gaggaaagcc atgaagagcc   1080
agcattccag aattttatgc aagaatcgat ggcacaatac tggaagagaa acaataaata   1140
ggagacttta gcacacttca cttgtttcta gaagtccaga attttggacc tccacgtgaa   1200
agaactgttc ttacctctga actgggggct cccataaggg ataatttcc tcagagtagc   1260
aaagtttctc ttattagaga aatcttgtga ctcagatgaa gtcagggata gaagacccctt   1320
ggacctggca ggttaatgct gattattcct tggcctttcc cttgtattta tgcaaggaag   1380
gatatactga gctgatactg ttccaagcct acaacttcaa gttttatcat ttgaactcaa   1440
gtacttttgc tgctgaggaa tggaatcaaa agaacgtagt ctcctggtga ccacctcaga   1500
tctctattat taggctagat gtatagcctc tactccccca gcttcttgct cttgaccctg   1560
cactgtaagt tgcccttcta ttagcagcca aggaaaaggg aaacatgagc ttatccagaa   1620
cggtggcaga gtctccttgg caatcaacca acgttgctat gaaatatgcc tcacactgta   1680
tagctcatta taggacgtca ggtttgttga aaaagtgggg caagacatga ttaatgaatc   1740
agaatcctgt ttcattggtg acttggataa agactttta attttaactt tgctctaaga   1800
ctgcttgtca tgatttcaaa ttagaaaatt atataattgc aaacagcttc acttctcctg   1860
ttcaacagag gcttaaggcc agatgtccaa acttgtctca ataaggaggt gatattttac   1920
taaagtttcc cacgtgcaca tactgactaa atacagagct aggcccagtt tgtattgtac   1980
tctgaactta atgcaaagtc tccttggtga ttttcgcaaa gtccgtggat ttgggtcaga   2040
ggcacatttc atacataaca gcccttataa acgtttgccc tgcctccaca ttttacagta   2100
tcttaaaaca gtacatttct ttcaaagaat tttatctcta tgagtcagta ctccaactta   2160
gggggggtccc acattggtgg accaggagg catcagcatc aaccggggga attggttcaa   2220
cttacctctt ataacctatg aactcagaaa ccctgggggt gggctgagca gtctgtttta   2280
gaaagccctc catgtgattc tgatgcatag tagcctatga cataattcca gaccaggtga   2340
atctcaagat actaatcctc acatcatttg ccttctcata tttccctcgt cttgaccatc   2400
tggtgcctgt tatgcagttt aacattctgc agcaataaaa gtgttttatt ataaagtatt   2460
aattttaatg ttctatactt agtgggaacc actggtctca aaatttgaag ctattcttta   2520
agaggagaac attcgcaaaa ctcaagcata cttggttttt ctctgtagta cttttgaatg   2580
ctttatcttc cttacagaat aacttgtctt ccttatgctt caagctccaa aagggtaagg   2640
aagaagtctt aatcattttt gtattccttg cacaggacct agcaaataat tggtactcaa   2700

7228

```
tgtttgctgg atgaatgaac taaattccca tacggccact ttatggaaac taactgccta    2760
atcgccactt tcattataaa caaaggaaaa tgaagataag actgcaacag aggccaggtg    2820
cagtggctca cgcctgtaat ccccagcact ttgggagccc gaggcgggca gatcacttga    2880
ggtcaggagt tttgagacca gcctggccca acacggtgaa acctcatctc tactaaaaat    2940
gcaaaaatta gctgggtgtg gtggcatgtg cgtgtaatcc cagctactca ggtggctgag    3000
gcaggagaat cgcccgaacc tgggaggcag aggttgcagt gagtcgaaat tgcaccattg    3060
cactccagcc tgggtgacag agcaagactc catctcaaaa ataaataaat aaataaataa    3120
atttaaaaaa agactgtgac agaaagggtt tagagaaatg tgctaaagag ttacaattgg    3180
caaatttaaa attatatgtt aaactataac ctcatttgta tcatattcat ttattctcaa    3240
tacctgggac atttaaggca ttcaataatg aattaaagct gtgccttatt ttggtctgca    3300
ttaaaggagt ggtctaaatt ttacaagata tattttgcat cagaaaatca aacttcagca    3360
gtttaacatg ctggcatcca tcaccaaggc atgaagcaac acatttgcta atgattccta    3420
atcactacag tgctacatca tttacttaat aaatactgat tcagtactta tatatacaga    3480
tagtctgatg gatgagtaac cacagtgatg ttgttcagga catgatgtaa agttgaaagg    3540
tgcatattgc tatgttttaa aggctgcctt tacagtagaa gcagcaaagt gtgcttaatg    3600
gactgctgtc ctctgatgac caagcaaatg caacaaatga aatatgcaca aggctgtcct    3660
tggacagtac ttgtttgctt tgctcacaaa ggagaaaagg aaagaaacaa ttgaaaatat    3720
gtatatggtg aaagtatgtg agtccgagca gaaataacaa aggcaaaagg atgaggagag    3780
atggagtaag tctagagaag aaaataaatg gatgagatag agagctgtct aagcaaaaaa    3840
ggtgtcagac ctctgatctt ataaataaga cacttcaaaa gtagcaaaaa cagttttaag    3900
aaggtgacta atagataagg tgtgttgtgt ttagctattt cctgttaggt attagtaatg    3960
ggttcccaat gacctgagcc aaaaatgaat caagttaaat gaaaactgac atctgatatg    4020
agcatatatt attagtctat tcaagcacag ttttgaagtt agcaaacatc taaatcctca    4080
catctctaca aggtaggtca aagtatgatt cttctcagtt gtacaagata aatggctgta    4140
taacatgtct agtcatagtt aagacaacaa ttggggacag tgctttggtc tgattgccat    4200
gccagcatca tattttatct gtgaagggtg gcttggttgt ggaaaactat aaaaactgga    4260
tgcaaaagta aaatgcaacc ttgtttggtg acgtccagtt cctctggaat taggaaaaac    4320
cacttgtgtt taagaacagg agtcaaatca attttaagg aaacagattc taatacaaaa    4380
accttttctg ttgggtctag taggtctgga caaaacatct ccctctttc cttttatatt    4440
ttcctcatcc tcttcttgca gcgctggttg aaaacagggg aggacccat gaggctgtca    4500
gtggagtggg aaccatagct gctatctgag tcatcagggc tctgaggaat cccagcttca    4560
ctcatgcctg acataggctc ctcgaagaca tcactgccca gcacaccatg cccagagaca    4620
ttgccttctt cactttcttg aggctccatt ttcacatggg ccagattcca aagaggagaa    4680
gcatttacct ctgcacttga agcctgtggt gaagcttcaa cctccaggtt agatgggaag    4740
cgttcgctct gagccccaag cactcccata ggcagtgact ggtctccaga agcaaggtca    4800
gcctccagct cctcactgac aggaaaagtg atgtcgctca caggttcctc cttgatcttc    4860
acaggtttag cgtcctctgt ggccttctca ggattgacaa tcctttcata ttcttcagag    4920
agttgcttac taatctgtag catgtaactg tgatagtcct tgatgcggtg ctgccagaac    4980
ttctggaggg agagcacact gccaataccc acttcatgga atacctgctc catcacatca    5040
ggaaaaggag tctgtcccag ccgggcctcc cggtccacag caaaacgcag caacttggta    5100
aacttaaggc aatactcatg tgccacatca gttagggtct ccaggacact ctcattagca    5160
cagtcaaagc ccgcgtgggc caggattgtg gccactgcct ggtagaggag ctgccgacag    5220
gagtgccagc tgagttcagt cacaggttcc cctttcccac gataaaagtc actctctggg    5280
tcactgtgcc ggatctggaa tggtgcattg ggaagaggtt cactctcttc agtttttaca    5340
tcaggagag gaggtgaccc agggcacgag ggaggaggtt cactctcttc agtttttaca    5400
ccttctgtct gctgctgatt ctgggcctga gctgtggcaa taaggttgcg aagacgtcgg    5460
ttgtgctgaa tcaactgaat cgtatggatg gtgagactac atggctctga ggggatgtcc    5520
agcatagtgg ggggcttcgg cttgttggct gagggttggt ttctgttggt ctggcttgat    5580
tccaccagac ggaactcccg tgggagcaaa tcgaaggaac ttccatatgtc tcttcaagtt    5640
gatattggta tctctcccca gtatctttgc agattcattg tccatatgtc tcttcaagtt    5700
caacaaacat ttatcaaatg ccaggcattc tgtgtcggtc aaagactgat aatgtgagat    5760
ccttgccttt accgaaagga gcacgaagaa caggcacgga gcccaaggaa tgcccaagtc    5820
cctccagggg tttcctcggt cacggtccgc cggcgcaggc gccaatcaca gggtcctgag    5880
gtcgcctgac gttcagggca gccggaagac ggggaggtct ggacctgaac cgagacaagg    5940
aggtaccaca ctattcactg ctgcgtcgca gagcgggctg gcggctgtc tggacctcga    6000
gaggcctgag gcaaggatcg cgtcag                                         6026
```

7229

```
<210> 8647
<211> 1735
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (207)...(1543)
<223> similar to gi4883433 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


    <400> 8647
cagccaggtc ggccgccccc accaggtcca gttccagagc ccaggccggt cggccgggcc      60
cgcgtgccct cggcgggctg cgcagagcgc gggagcggtt tggggctggg catgctggga     120
gccctcgggg caacggccgc cgccgccaca gccacacagc cgccgccact gcgtccgtcc     180
ccggtgagcg ccgctgacgc gcggagatga aattcccggc ctcggtgctg gcgtccgtgt     240
tcctgttcgt ggccgagaca acggcggcgc tcagcctgag cagcacctac cgctcgggcg     300
gggaccgcat gtggcaggcg ctgacgttgc ttttctcgct actgccttgc gcgctcgtgc     360
agctcacgct tctcttcgta caccgcgacc tcagccgcga ccgcccgctc gtactgctgc     420
tgcacctgct gcaacttggg cccctttttca ggtgttttga agtcttctgc atctactttc     480
agtcaggcaa caatgaagag ccttatgtca gtatcaccaa gaagaggcaa atgccaaaaa     540
atggcctctc agaggagatt gagaaggagg tgggccaggc agaaggcaaa ctaatcaccc     600
accgatcagc gttcagccgg gcgtcggtga tccaggcttt cttgggctca gccccccagc     660
tgaccctaca gctgtacata agtgtcatgc agcaggacgt cactgttgga agaagtctcc     720
tcatgaccat atccctgttg tccattgtgt atggagcctt gcgctgcaac atcctagcca     780
tcaaaatcaa gtacgatgag tatgaagtca aagtgaagcc tctggcctat gtctgtatct     840
tcctgtggag gagctttgag attgccactc gagttgtagt cctggtcctc tttacctccg     900
tcctgaagac ctgggtggtg gttataatac tcatcaactt cttcagtttc ttcttgtacc     960
cctggatcct cttctggtgc agtggttccc cattccctga gaacatagag aaggccctca    1020
gtagagtggg caccaccatt gtactatgct ttctaacttt actctatact ggtatcaaca    1080
tgttctgctg gtctgctgta cagctgaaaa ttgacagccc tgacctcatc agcaagtccc    1140
ataattggta ccagctactg gtgtattaca tgataagatt catcgagaat gccatcctcc    1200
tcctcctgtg gtatctttte aagactgaca tctatatgta tgtgtgcgca cctctgttgg    1260
tcctgcagct gctcattggg tactgcacag ccattctctt catgcttgta ttctatcagt    1320
tcttccaccc ttgcaaaaag ctcttttctt ccagtgtttc tgaaggcttt cagaggtggc    1380
tcaggtgttt ttgctgggcc tgcaggcagc aaaaaccctg tgagccgata ggaaaggaag    1440
atctacagtc atccagagat agagatgaga caccttctag cagtaaaaca agtcctgagc    1500
ctggtcagtt cttgaatgct gaagatctct gctctgctta atgggaccca aggtctcaga    1560
gcacaggcat attatttct gggtttgata ctcgttattc atacaaataa tgagccctac    1620
acaggaaca aggcaggaag ttagctgtta actccttgtg agctgcttct ctttatagag    1680
ctcttgggta tgtagaactg tatgggaaga agccaggaaa acctctgagt gttgg          1735



<210> 8648
<211> 2547
<212> DNA
<213> Homo sapiens
```

<220>
<221> misc_feature
<222> (124)...(1744)
<223> similar to gi487785 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8648

```
acttggtttc gcttcgctag tcccagaggc ccagagtggc tcgcctggag tctctgtggc      60
gcggtttcct gtacctgcct tgggatccgg agggaggaag ctgggacacc cgggagtcag     120
gaaatggact cggtggcttt tgaggatgta gatgtgaact tcacccagga ggagtgggct     180
ttgctagatc cttcccagaa gaatctctac agagatgtga tgtgggaaac catgaggaat     240
ctggcctcta tagggaaaaa atggaaggac cagaacatta aagatcacta caaacaccga     300
gggagaaatc taagaagtca tatgttagaa agactctatc aaactaagga tggtagtcag     360
cgtggaggaa tttttagcca gtttgcaaat cagaatctga gcaagaaaat ccctggagtg     420
aaactctgtg aaagcattgt atatggagaa gtcagcatgg gtcagtcatc ccttaataga     480
cacatcaaag atcacagtgg acatgaacca aaggaatatc aggaatatgg agagaagcca     540
gatacacgta accagtgttg gaaacccttc agttctcacc actcctttcg aacacatgag     600
ataattcaca ctggagagaa actctatgat tgtaaggaat gtggaaaaac cttctttttct     660
ctcaaaagaa ttagaagaca catcatcaca cacagtggat atacaccata taaatgtaag     720
gtgtgtggga aagcttttga ttatcccagt agatttcgaa cacatgaaag aagtcacact     780
ggagagaaac cctatgaatg tcaggaatgt ggaaaagcct tcacttgtat cacaagtgtt     840
cgaagacaca tgataaagca cactggagat ggaccttata aatgtaaggt atgtgggaaa     900
ccctttcatt ctctgagttc atttcaagtg catgaaagaa ttcacactgg agaaaaaccc     960
tttaaatgta agcaatgtgg taaagccttc agttgttccc caaccttacg aatacatgaa    1020
agaacccata ctggagagaa accttatgaa tgcaagcagt gtgggaaggc cttcagttat    1080
ctcccctccc ttcgactaca tgaaagaatt cacactggtg agaaaccctt cgtatgtaaa    1140
caatgtggta aagcctttag atctgccagt acctttcaaa tacatgaaag gactcacact    1200
ggagaaaaac cttatgaatg taaggaatgt ggggaagcat tcagttgtat cccaagtatg    1260
cgaagacaca tgataaaaca tactggagaa ggaccttata aatgtaaggt atgtgggaaa    1320
ccctttcatt ctctgagtcc atttcgaata catgaaagaa ctcacactgg agagaaacct    1380
tatgtatgta aacattgtgg taaagctttc gtttcttcaa catcaattcg aatacatgaa    1440
agaactcata ctggagagaa accctatgag tgtaagcaat gtgggaaagc cttcagttat    1500
ctcaactcct ttcgaacaca tgaaatgatt cacactggtg agaaaccctt tgaatgtaag    1560
cgatgtggga aagcctttag atcttctagt tcctttcgac tacatgaaag gactcacact    1620
ggacagaaac cctatcattg caaggaatgt gggaaagcct attcttgccg tgccagcttt    1680
cagagacaca tgttaacaca tgctggagat ggaccacctt ataaatgcat gtgggaaagc    1740
ctttaatgct ctgggttcat gtcagataca ttaaaatact cactgaagag aagccctatg    1800
aatgtaagta acgtgggaaa gcatgaaatt ctgtcagtgc cttttttaat acatgaaaga    1860
attctagaga gaagccatat acatgtaagt aacatgggaa agctttcaat cattttagtt    1920
cctttcaaat acatgaaaga actcatcatg gagaaaacca aacaaatgct ttttggaaag    1980
gaacccatat ttgagagaaa ccctgggtaa agggtgtagg aaaggttttg tcatcacaca    2040
acctgtcac acatgaatgt gtagtggaga gaaccttggt aaatgtaaag agtgtgggag    2100
agcctttagt cattttagtt ccacttgaag ccatgaaaga acacacaaaa gagaaaagct    2160
cttgaatata agcaatgtcc acacgttttt agccagccca catgctttca acaacatgta    2220
agaatgtacc ctggatcaaa acactataaa tgtgaaaacc tacaaggaag gttttccatt    2280
atacttttaa agtcatttga gggctctggc tctgtggctt tgtgggttaa agtacttgtc    2340
tggcaaacag gagatgctgg atttcaatcc cagcagggcc tcactagttg aggtattgaa    2400
tttgaacaga tgttttggct ctggctgggt gtggtggctc acacctgtaa tcccagcact    2460
ttgggaggct gaggcaggag gatcacttga ggtcaggagg tttgagacca agtgtgcaaa    2520
                                                                      2547
acatagcaag acctcatctc agaaaaa
```

<210> 8649
<211> 1566
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1472)...(1145)
<223> similar to gi165023 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8649
tttttttttt ttgagaaaag ccggcataaa gcactttttat tgcaataata aaacttgaga   60
ctcataaatg gtgctggggg aagggtgcag caacgatttc tcaccaaatc actacacagg   120
acagcaaagg ggtgagaagg ggctgaggga ggaaaagcca ggaaactgag atcagcagag   180
ggagccaagc atcaaaaaac aggagatgct gaagctgcga tgaccagcat cattttctta   240
agagaacatt caaggatttg tcatgatggc tgggctttca ctgggtgtta agtctacaaa   300
cagcaccttc aattgaaact gtcaattaaa gttcttaaga tttaggaagt ggtggagctt   360
ggaaagttat gagattacaa aattcctgaa agtcccttag aaaaacccca ggatgaaaaa   420
aaaaaaaggc cacaaagaag gcttcagagg tccctgctgg cccagggaca gatacctgta   480
gtgtccagca ttgcagtgaa catgatctac tttcaaaggc agagggttta aggggagggt   540
gggtgggaat ggtggaggca aaggctctcc ccatccccac ctcagtttta ggtagggctt   600
ttaatttaac ccaaagacat ctctcaactt ggagagtaat tcagtcctca acagcgcctc   660
aaatctgcta tggctttgca gcgcagcagc aagaatgttt aatatataat agataaaaat   720
ttcatccaaa aaattaaaat aaaatattct tgcaaacccc ccccccaaca ccaattccta   780
ttctaatgtt aacctaccac ttgtgctgtt aatacttgac catgtactta attggaaacc   840
tatatccaaa agactgaaac tgaatcttca ccccaaaatg aaaacaaaat aaaatgagta   900
acttgaggtt tatggcatat agtttaggta aacacacata cgaggagaaa ggggaagagg   960
aaacagaggt gtcggaagca aagctgagtg acagaacaca ttcagtcagg gcagatgtct 1020
atacaaagtg gagtggaaca tcaggaaaag ctccatatgg actcatgtgc acatgtctgg 1080
aggcaccaga tccctccatg gcagatccaa gaacagggag ctaagggagg aggccattcc 1140
tgtcattcca gttttagaag ctccacatcg aagacgagag tggcatgtgg tgggatgatg 1200
cctgggtgcc cagtggcacc ataggcataa tctggagata tagtcagttt ggctctctga 1260
cccacactca tctgggcaac cccttcttcc cagcctcgga tcacctcctg cttgcctagc 1320
ataaacttaa agggcttgtt tctgtcccgg gaggaatcaa atttctttcc atcttcaagc 1380
atcccggtgt agtgcaccac gcaggtctgg ccgcgcttgg ggaaggtgcg cccgtctcct 1440
ggggagatgg tttccacctg cactcccatg gcggcggcgg acgctgagcg ggcgggcggc 1500
gcgacgggcg gcgtggacca acagcgacct ggcggcggtt ccacggctct gcctagtacc 1560
tcggcg   1566

<210> 8650
<211> 432
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (233)...(431)

7232

<233> similar to gi4062215 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8650
ttctatggcc agacccgcac atcgtggcgc atgcaaaagg cgtgcactta ccccacatag   60
tgggggggat gttgacgaat gttggcttag tgcccagggt tccctctcac cctaaccctc   120
tccccggtgg ggcgagggga ctgaccgagc gcgttgatag catttgtagg ccggataagg   180
cgttcacgcc gcatccggca ctctttcagc aacatggtta gcggaggcca agatgtttga   240
ttcactggca aaagccggaa aatatttagg tcaggcggcg aagctgatga ttggtatgcc   300
tgattacgac aactatgtcg aacatatgcg ggttaaccat cccgatcaaa cgccgatgac   360
ctacgaagag tttttccgtg agcggcagga cgcgcgctac ggtggaaaag gcggcgcgcg   420
ctgctgctaa at   432

<210> 8651
<211> 437
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (191)...(424)
<223> similar to gi639720 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8651
ctttgatcac gggctcgccc caaccgacca cgccttcatc ggtttcaatt ttcaggaaca   60
tccagcgggg aggtaaacga tacgtggtaa ttttggtgat tttcattgca ctgcctctcg   120
atacgcctta acaaatgctg ctgcctgctg cgcggtgcgc tctacggatt gcccggcgcg   180
atagagatcg ctgcctaagc ccgcccctgc acaacctgcg tctatccact gcgccaggtt   240
ttctggcgtc acgccgccaa cggcaaagac tgcgatgtcc gatggcaata ccgcttttaa   300
cgctttgatg tattgcggac caaaagccga tgacggaaat attttcagcg cctgcgcgcc   360
cgcttcgagc gcggtaaagg cttcggtctc cgtcgcgcag ccggggcagg cggtcatccc   420
gtagcccccc gcccggc   437

<210> 8652
<211> 726
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (371)...(557)
<223> similar to gi5105951 in the genepept database release 114,

7233

Run with FASTXY 3.3t00, default parameters

<400> 8652
agatctggag gaaaggggcc ccttctgcca ggcttcctcc ctgggtcaca aactcacatc   60
tgcctggact cccactgctg tctctctctt tctctctctc tcccctcttt ttaactgtcc   120
actaggtttt atggataact cctgagagaa tgtcccagtc tgcttaccat cacattgatc   180
ccgcccacca gcattgaggc tctgcactgt ctcccctccc ttgcctgtcc aaagcccctt   240
ccacccggga ccgtcgcccc tttacactca ggggtactgg tccatctatg ccatgctgag   300
agctgctgcc atgaaaagac ccctggatct caccccctcc agcagctacc tcttctcttt   360
ctagagaaac cacctagaag gacttcctac acacaccagc cccacctcct ctttcctgtt   420
gtctcttagg cccaaggccc accacagtgc cctttgcccc ccacagtcac ccctgccagg   480
gcaccggcgg ccagcacttg ctccaccaac ccttcctcca gaagagcttt tttgggaggg   540
atcctggagc ccgatcctgg tccccctccc atcatcctaa cctcctcctg tctttcttct   600
ccatctgtag gatcttccca ggcaaagtca cctgtaaatc acatccatac ccaagaagct   660
cccaaaatct cacttccagc ccagacctga atactgggtc agctgacacc ttatctggag   720
catcac   726

<210> 8653
<211> 363
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (345)...(12)
<223> similar to gi4062197 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8653
tctgcgctgg cttcctgact ttaatatcct gtaataaaga aaggttgccc tgctggacaa   60
aattaaacgc cactttgtcg ccggtttttaa tttcactcat tttcgtctgc ggggtgatgg   120
taaagcgcat ggtcatctcc ggccagttca cggcagcaat cggatcgtga tggatggtga   180
ttttttttgct ttccagatcg atacccttta ccacgccagt ggcgctaata acctgtggtt   240
gtgcttcgct catggtttca tgatgatgtt cgttagcctg ggcattaaag ccaataacgg   300
taaacagact gaacattgcg acttgcagtg ctttttttcat ttattctctc aggaaggccg   360
cca   363

<210> 8654
<211> 1669
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> (192)...(592)
<223> similar to gi5912254 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8654
```
cacgaccggt cttgagttcc cgggtcgacg atttcgtgcc acctctgcct gagacctccg    60
gtcgccgcaa gaagctggag aggatgtaca gcgttgaccg tgtgtctgac gacatcccta   120
ttcgtacctg gttccccaag gaaaatcttt tcagcttcca gacagcatcc acaactatgc   180
aagccatctc gaacttccgc aaacacctgc gcatggtcgg cagccggagg gtgaaggccc   240
aaacgttcgc tgagcggcgc gagcggagct tcagccggtc ctggagcgac cccacccca   300
tgaaagccga cacttcccac gactcccgag acagcagtga cctgcagagc tcccactgca   360
cgctggacga ggccttcgag gacctggact gggacactga gaagggcctg gaggctgtgg   420
cctgcgacac cgaaggcttc gtgccaccaa aggtcatgct catttcctcc aaggtgccca   480
aggctgagta catccccact atcatccgcc gggatgaccc ctccatcatc cccatcctct   540
acgaccatga gcacgcaacc ttcgaggaca tccttgagga gatagagagg aagctgaacg   600
tctaccacaa gggagccaag atctggaaaa tgctgatttt ctgccaggga ggtcctggac   660
acctctatct cctcaagaac aaggtggcca cctttgccaa agtggagaag gaagaggaca   720
tgattcactt ctggaagcgg ctgagccgcc tgatgagcaa agtgaaccca gagccgaacg   780
tcatccacat catgggctgc tacattctgg ggaaccccaa tggagagaag ctgttccaga   840
acctcaggac cctcatgact ccttataggg tcaccttcga gtcaccctg gagctctcag   900
cccaagggaa gcagatgatc gagacgtact ttgacttccg gttgtatcgc ctgtggaaga   960
gccgccagca ctcgaagctg ctggactttg acgacgtcct gtgaggggca gaggcctccg  1020
cccagtcacc atcaggccac tccctctgca ccgggacctg gggctgggcc gcctcgtgct  1080
ccccgggact gtgtggctcc ggtctcgcct ggagccactt cagggcacct cagacgttgc  1140
tcaggttccc cctgtgggtt ccggtcctcg ctgcacccgt ggccgcagag gctgcagtcc  1200
ctgggggccg ggaggatccc gccctgtggc ccgtggatgc tcagcggcca ggcactgacc  1260
tgccatgcct cgcctggagg ctcagctgtg ggcatccctc catgggagttc atagaaataa  1320
gtgcaatttc tacaccccg aaacaattca aagggaagca gcatttcttg ttaactagtt  1380
aagcactatg ctgctagtta cagtgtaggc accctggac ccggccgcgc agctggtgga  1440
ctgtaggggc tcctgactgg gcacaggagc tcccagcttt tgtccacggc cagcaggatg  1500
ggctgtcgtg tatatagctg gggcgagggg gcaggcccc cttgtgcaga gccaggggtc  1560
tgagggcacc tggctgtgtt cccagctgag ggagggctgg ggcgggggcc gggcttggaa  1620
cgatgtacga taccctcata gtgaccatta aacctgatcc tccaccgcg              1669
```


<210> 8655
<211> 1520
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (133)...(834)
<223> similar to gi5832945 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8655

```
gcgaccgcgg ctgtgccctc tcctactcct caccgcgcga gcgcggggaa ccagtagccg    60
cggctgcttc ggttgccgcg gtcggtggtc gttatggatt ctccatggga cgagttggct   120
ctggccttct cccgcacgtc catgtttccc ttttttgaca tcgcgcacta tctagtgtca   180
gtgatggcgg tgaaacgtca gccgggagca gctgcattgg catggaagaa tcctatttca   240
agctggttta ctgctatgct ccactgtttt ggtggaggaa ttttatcctg tctactgctt   300
gcagagcctc cattgaagtt tcttgcaaac cacactaaca tattactggc atcttcaatc   360
tggtatatta catttttttg cccgcatgac ctagtttccc agggctattc atatctacct   420
gttcaactac tggcttcggg aatgaaggaa gtgaccagaa cttggaaaat agtaggtgga   480
gtcacacatg ctaatagcta ttacaaaaat ggctggatag tcatgatagc tattggatgg   540
gcccgaggtg caggtggtac cattataacg aattttgaga ggttggtaaa aggagattgg   600
aaaccagaag gtgatgaatg gctgaagatg tcataccctg ccaaggtaac cctgctgggg   660
tcagttatct tcacattcca gcacacccag catctggcaa tatcaaagca taatcttatg   720
ttcctttata ccatctttat tgtggccaca aagataacca tgatgactac acagacttct   780
actatgacat ttgctccttt tgaggataca ttgagttgga tgctatttgg ctggcagcag   840
ccgtttttcat catgtgagaa gaaaagtgaa gcaaagtcac cttccaatgg cgttgggtca   900
ttggcctcaa agccggtaga tgttgcctca gataatgtta aaaagaaaca tactaagaag   960
aatgaataaa tttacgtgat gagctctaca aggccaaaaa tttttttttct tatctacctg  1020
ttatattgtg ctaattttc tatgtatgtg atgtgaaatg aagactatat atatggaatg    1080
gaggtgacag aaagaaagaa attctttgtt tgagggagac ttcccctttc tggattgtat   1140
ttgtagagtg ttacgagtgt atcatgtgat tatgctttac cggtataaga gattctgttg   1200
tgattatttg aatagtttta tattaataaa agaagacaaa attttttaaa tgttagaaaa   1260
agcagatctg tcattgcaaa gtaacaaaaa ttttaagctt ttaaaaatgt agatttttca   1320
tatttttaaa atttgaatct atttgagctt tagttcagca gaattaaatt tttacttgac   1380
attatcatta aaattgctag gtatggagaa caattcctat tttattttga acactgagaa   1440
gagtaaactt ttcctaaaac actttatatt ataaatgaaa ataaattgct agcttatatt   1500
ttagatataa acatcatatt                                                1520


        <210> 8656
        <211> 2691
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (119)...(1241)
        <223> similar to gi1710282 in the genepept database release 114,
             Run with FASTXY 3.3t00, default parameters


        <400> 8656
     tgctgctgac actcgctccc aggctgcacc cgccgccctt ggcgcttcat gtacatgtgt    60
     ctattcaggc cttgcggagg cgcccagaag agcatccaac acggctgccg gggaaagacc   120
     gcccaccatg cccacggaga ccctacagac aggtagcatg gtgaagccgg tcagccccgc   180
     gggcaccttc acctctgctg tgcccctgcg catcctgaac aaggggccag actacttccg   240
     caggcaggcc gagcccaacc ccaagaggct cagcgccgtg gagaggctgg aggccgacaa   300
     ggccaagtac gtcaagagcc aggaggtgat caacgccaag caggagcccg tgaagcccgc   360
     cgtgctggcc aagcccccgg tgtgcccggc tgccaagcgc gcactgggca gccccacgct   420
     caaagtgttc ggcaaccacg ccaagaccga gagcggcgtg cagagggaga acctgaagct   480
     ggagatcctg aagaacatca tcaatagctc cgagggctct agctcgggct cggggcacaa   540
     gcacagctcc cgcaactggc cgccccaccg gtcggaagcc actgacctgc accgtcactc   600
     cttcgcggag tccctgaagg tctaccccac gcagggccgc aggagcccgc aggagggcgg   660
```

```
ctcccacgtg ggcaggagac tgctggagca gtcagccgag tccttcctcc acgtgtccca   720
cagctcttcg gacatccgca aggtgaccag cgtgaagccc ctcaaggcca tcccctgcag   780
tagctctgcc cctcccctgc ctcccaagcc caaaatcgca gccatcgcct ccatgaagtc   840
ccccgaggcc gaccctgtgg aaccagcttg tggagtcagc cgaagaccct ccctccagcg   900
gtctaagtca gacttgagtg acagatattt ccgagtggac gcggacgtgg agaggttctt   960
caactactgt ggactggacc cggaagagct ggaaaacctg ggaatggaaa actttgcaag  1020
ggctaattct gacataatat ccctcaactt ccgcagcgca agcagtgatca gctcagactg  1080
tgaacagtct caggacagta acagtgacct tagaaatgat gacagtgcca atgaccgcgt  1140
gccgtatggc atttctgcca tcgaaagaaa tgctagaatc atcaagtggt tatatagcat  1200
caaacaagct agagagtcac agaaggtctc ccatgtgtaa gacagtgcgt ggaaaggagg  1260
gagcgtgggt ctctgtgctt acgcagttgt gaaggttgtg aggtctcctt gaagtgttgt  1320
gagcttctcc actctttgtg ttgcttgttg tgcaatgttt tcaagttgca tgcttgtcaa  1380
catgggggact gacctggctt ccacgtcacc atcgctacag agcctggctg aacacgcgtc  1440
atctgccaaa agtttcaggc cagaatctaa ttagggcttt gctcgtaagc aaaactgttt  1500
acatgaaaat ggtatacaac ttcttcgata tttatgtggt tcttgtgttt ttatatcccg  1560
cgctattgtg tcttaattaa aagttttatc aactggcttt taagttgaga gcagaatctt  1620
tttgaaataa aaagccactt tgcctacatg tgagactatt ccagtgggac agtaaatggg  1680
atctgctacc aaacagataa tgactgaccg aacatagaac caggctgggt tttctgtgga  1740
ataaagtggt gagcctgacg ttaatcgttt acatgttgaa attctcttgc cacttagtga  1800
agcagtcatt ggggtaacaa tgctacgttt tgtgtccgat tcagtgtgta aacgttggtg  1860
gttctatgta atactgaccc caaggaaaga cgatcagata caaagaaaga tggttaaatc  1920
taggaggttg ggtgtttggg ggttttgttg atgttgttct gattgggata attcagaaat  1980
tcctaatatt atctttcgac agaatgacca ccctaaaaca aatactgaat gcctttttaaa  2040
aaaaaaaaag ggggggggtt ggggtttttt tttttttttt ttttggtcga gaactactaa  2100
tttcatgcta tttctttctc tctcccttg ttgttatttg atttggggga agggagtgag  2160
gcttgtgcag atttgagcta tctgaagaca tgaacagaag tcaaatacca gccatatcag  2220
tagagccttc cattcaaaag tgaacacact tggtagctga accatatctg agcagcgtga  2280
ttctgttgtc ttgcatatgt tattctctca ggctgtggat ctttgttaca gctctaggaa  2340
actgtagaaa tacaatgcta tgtagctttt ccaccccatg gtctctagtg ctgcctatca  2400
acttgtcccc ttttttccca ataacctgtc ttccaggtgg tacagttagc tgtcactcag  2460
ctgacaccat gatgtggcag cagagaggga aacctacaag tggtttgcct cattgccttt  2520
gccacatctg aagttctcag cagcactacc ttagacttca tgagctaata ggaaactttt  2580
tatggtgtaa atgctgtaag actttgtaca tacttcagtt gttatgaaat ctttaaagaa  2640
aaaaagaaaa agttacgcta ataaattgct gtggtgcagg caaaaaaaaa a            2691
```

<210> 8657
<211> 1561
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1562)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (504)...(1270)
<223> similar to gi3876146 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

7237

<400> 8657

```
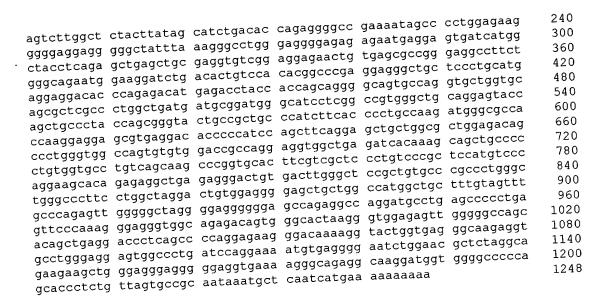atatgacaag gacgaggacc cctattctag ccagttaaag ctggacagaa ttttaaaag      60
caatgaagcc agttccttgg atatatccac gggctttgct ttgagaagga actgagtagg     120
cagtgagaag agtcgagtga agcctggccc gtgagtgcct caacaactga gatgaacgtc     180
gactcgcttg caggcaagtt gtcactcagc agcgatctga actatatcct gggttccaga     240
aaaggcagag gttcttaccg aaagcagggg aggaagccgc agcccaagga ggtcgtcact     300
tgccgggaag gtggctcggg ccaggctgca ctcaaaaccc gtgctctgtc cacactgcta     360
cggggccaga gccaaggaag cttccacttc ttcccccaga cagccccaac agcggctacc     420
ccaaggagcc agcagccttg tgtcctggga tccccagccc ctgcagaatg acccaccagg     480
atctgagcat cacagccaaa ctcatcaatg gaggtgtagc agggctcgtg ggggtgacct     540
gcgtgttccc catcgacttg gccaagactc gcctgcagaa ccagcatggg aaagccatgt     600
acaaaggaat gatcgactgc ctgatgaaga cggctcgggc ggagggcttc ttcggcatgt     660
accgaggggc tgcagtgaac ctcactctgg tcactccaga gaaggccatc aagctggcgg     720
ccaacgactt tttccggcgg ctgctcatgg aagatgggat gcagcggaac ctgaagatgg     780
agatgcttgc cgggtgtggg gctgggatgt gccaggtcgt ggtgacctgt cccatggaaa     840
tgctcaagat tcagctgcag gatgctggac gcctggccgt ccatcatcag ggctcggcct     900
cagcaccctc cacctccagg tcctacacaa ctggttcggc ttccacccac aggcgcccct     960
ctgccaccct cattgcctgg gagctgctcc gcactcaggg cctggctggg ctctacaggg    1020
gcctgggtgc cactctcctc agagacattc ctttctccat catctacttc ccactgtttg    1080
ccaaccttaa caacctgggg ttcaacgagc tcgccggtaa ggcgtccttt gcacattcct    1140
tcgtgtcagg ctgtgtggca ggttccatag ctgcggtcgc agtgacgcct ctagatgttc    1200
tgaaaactcg aatccaaacc ctcaagaaag gcctgggcga ggacatgtac agtgggatca    1260
ccgactgtgc caggtgagag ccagtgtccc ctcaaatggt ggctgggaca ggttcctctg    1320
cgtgggtgtc tgcctagacc agatttagag accaacttga attgctgggc tctgggtttc    1380
tttgaagtct gtctttccct cacctctcaa agaaaacaga atgtactggg agcctttttc    1440
ttcttcctgg catccctaca gcatctctca ccaaagattc tagccacatc aagcctgttt    1500
ccaaggcctt gacccanctg cataagtaac caacctgcat gcacctagcg ggcgaggcac    1560
a                                                                    1561
```

<210> 8658
<211> 2515
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2314)...(1617)
<223> similar to gi567232 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8658

```
tttttttttt ttggcattct tgacatttta attagagcag aaataaacta ctaaatattt      60
tatttctaag caaaacagag ctccagcata aatcctgttt gtctgagaaa ttcacaatac     120
attttagaaa tccaatggat acattcaaaa tgttatctaa taaataacaa ggtcaggtct     180
actccaaatc taagaatctg atttaaacat aaggggccaa aaaactacca gggctttttt     240
tttttggtg gttataaaca atacttgata tttaagcaac acagtcacac tgctttaaac     300
ttagttgcag agatctacaa tttattatta ttttcagtgt tagagctaga gggtaatttt     360
ttcaaagatg gcactcaact ccacttattt acctgtcaac aaatacagaa ctgaactgtt     420
agccataagc actttacaaa cagactcagg aaactatgca gtagacaatg acatagctta     480
```

```
accagactct gaaaaagaga tacatatttt gattcacact tgtacaaaga gaacagtcat    540
gtctgcatga cttaaggttc cctaaacaca actgttttat gttttagacc cctggagtgt    600
gccagtttac cacatcaggg aggaatcaag ggatgtgtgt gctccttcta aagaaccaag    660
ggcaagtggg gtgggggtgg ctacagggaa cgctctgggc aaaagagctg cctcaggttt    720
ttgtgggaat gaaaattact tgttgcagtt aagcaattcc tagggtttat ctagtttgag    780
gttcaaaaca aaggagagaa ttatttcctt cctcgagctc ttcccaaagc aatatgcaca    840
tctcataatc aaatctcaag tagtacaaag agataatcaa ttatctaaaa atttaattta    900
catacatgtt ggcctggatt aaaaacaaaa aagttagttt ccataaatag cagactttag    960
tgctgtatga cccaatgact aaaaataaaa ccaggaagtt tttactaaaa gctcaaggat   1020
aaaaatgaac actggctggc tattgaactc cacatctgac aataattact gacagtttaa   1080
aaatgtatat ccaaaatata accctcaaga ggaccaggtt tatttgtccg acagagcagc   1140
tcaaaatgtt gaggcatcat ttgtttggat tatgatgggt tattctcgaa gtttatttat   1200
ttagaagggg aaagtgattt atagaaaaat acttggaaat aatttgccca atgaagttgc   1260
agattcctaa caataatcca catcttagat tttaagtgt gtagtttcat agtttaaaca   1320
aattctgtca aagaactatt caatatactt tatcactta actttccatg aaaaccaaat   1380
aaaaatcaca tccgaatgat ttacttctat gcttttatct gattgtatac atatgatgta   1440
ctacgcatcc aagtacaaga ggcagttatc ttctctgaga ggtgcaagag ttgttctttc   1500
atgaatgccc tctaatagtg aaaccagcaa tttttatata tgcattcatg tgcatataca   1560
tgtacttcaa aaagcaaagc gtcatctctt cgtccattgt taacttaatg gtaagaatgg   1620
gggccaccag gcattggtgg agcaccagaa ggtcctgaag gcacttggaa aggattactg   1680
ggagtaggat agagtcctgg tgtgggatac gatcctgtag gggcaggata tggtgctggt   1740
ggtccccagg ctcctggtgg aacggtgccc catggaacag gtggtgctgc cccagggct   1800
tggggaggag gaggagcggg atatgggcct ggagatggat atggcatatt aggggtagga   1860
tactgccctc ccattcctgg cgcccaaggt ccagaagaca tggatcccca tggacctaaa   1920
ggaccagctg cagctggatc tgtgggtgca ccatatggtc tgggtagctc tggaaagggc   1980
atatttggtg taggatatgg ccctgtgggg ccagggcccg gcacagttgg ggctggataa   2040
ggaccaccag gtgggggaca tgatggtccg gaaggaggaa agggtgctcc aaaaggcaca   2100
ggtggtccgg tgggaggcac ggagggatac attcctgttg gtgctggtcc aaaaggcaca   2160
gtggagggtg ttgcacttgg tgggagtcca gatggcactg aagatggagc actcggatta   2220
ttccaagggt tggagcctgg ccagccttga ggaggttggc caggttttgt attgctcaca   2280
gcagaggttt tggcagggga gtgttcaggt agtgcatctg ccaacgaaaa ttcatcagac   2340
attttcccgg caatatccga gaccgcagta gggtctagaa gcggcgatgg gtccgaggga   2400
ctgggccctg aagacgcggg cgcagcctga ctgacggcag ctagagcagc ggcggcaaca   2460
gcaccagcag cgcgcggctc ctcctgacgc gatagtcgac ccggaaattc ggaac         2515
```

<210> 8659
<211> 1248
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (297)...(801)
<223> similar to gi3688392 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8659
```
agggcaagtg ccagggggc acaaggctgg gcatgtggct ggcatgagac ggtgtctgag     60
taatgtcagg cacctggagg cattgacccc aggaccttgg accccagacc tctgaccgtg    120
gggcagccag cgtccaggta ccccaacccc tgccctgggt ccggcgtccc cccattagtg    180
```

```
agtcttggct ctacttatag catctgacac cagaggggcc gaaaatagcc cctggagaag    240
gggggaggagg gggctattta aagggcctgg gaggggagag agaatgagga gtgatcatgg    300
ctacctcaga gctgagctgc gaggtgtcgg aggagaactg tgagcgccgg gaggccttct    360
gggcagaatg gaaggatctg acactgtcca cacggcccga ggagggctgc tccctgcatg    420
aggaggacac ccagagacat gagacctacc accagcaggg gcagtgccag gtgctggtgc    480
agcgctcgcc ctggctgatg atgcggatgg gcatcctcgg ccgtgggctg caggagtacc    540
agctgcccta ccagcgggta ctgccgctgc ccatcttcac ccctgccaag atgggcgcca    600
ccaaggagga gcgtgaggac acccccatcc agcttcagga gctgctggcg ctggagacag    660
ccctgggtgg ccagtgtgtg gaccgccagg aggtggctga gatcacaaag cagctgcccc    720
ctgtggtgcc tgtcagcaag cccggtgcac ttcgtcgctc cctgtcccgc tccatgtccc    780
aggaagcaca gagaggctga gagggactgt gacttgggct ccgctgtgcc cgccctgggc    840
tgggcccttc ctggctagga ctgtggaggg gagctgctgg ccatggctgc tttgtagttt    900
gcccagagtt gggggctagg ggagggggga gccagaggcc aggatgcctg agcccctga     960
gttcccaaag ggagggtggc agagacagtg ggcactaagg gtggagagtt gggggccagc   1020
acagctgagg accctcagcc ccaggagaag ggacaaaagg tactggtgag ggcaagaggt   1080
gcctgggagg agtggccctg atccaggaaa atgtgagggg aatctggaac gctctaggca   1140
gaagaagctg ggagggaggg ggaggtgaaa agggcagagg caaggatggt ggggccccca   1200
gcaccctctg ttagtgccgc aataaatgct caatcatgaa aaaaaaaa                 1248
```

```
<210> 8660
<211> 1863
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (532)...(1192)
<223> similar to gi4678927 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 8660
aaatgagtct tgtctgaatt gtgcggaaga catgaggcac tgagagaggt gggggccgag     60
tggcctcctc ccacctgctc cccaaacatc tgctctgggc tgcagcaagc tggcaataca    120
gattggtccc tgactatggc tccccagagc ctgccttcat ctaggatggc tcctctgggc    180
atgctgcttg ggctgctgat ggccgcctgc ttcaccttct gcctcagtca tcagaacctg    240
aaggagtttg ccctgaccaa cccagagaag agcagcacca aagaaacgga gagaaagaa     300
accaaagccg aggaggagct ggatgccgaa gtcctggagg tgttccaccc gacgcatgag    360
tggcaggccc ttcagccagg gcaggctgtc cctgcaggat cccacgtacg gctgaatctt    420
cagactgggg aaagagaggc aaaactccaa tatgaggaca agttccgaaa taatttgaaa    480
ggcaaaaggc tggatatcaa caccaacacc tacacatctc aggatctcaa gagtgcactg    540
gcaaaattca aggaggggc agagatggag agttcaaagg aagacaaggc aaggcaggct    600
gaggtaaagc ggctcttccg ccccattgag gaactgaaga aagactttga tgagctgaat    660
gttgtcattg agactgacat gcagatcatg gtacggctga tcaacaagtt caatagttcc    720
agctccagtt tggaagagaa gattgctgcg ctctttgatc ttgaatatta tgtccatcag    780
atggacaatg cgcaggacct gctttccttt ggtggtcttc aagtggtgat caatgggctg    840
aacagcacag agccctcgt gaaggagtat gctgcgtttg tgctgggcgc tgcctttcc     900
agcaacccca aggtccaggt ggaggccatc gaaggggag ccctgcagaa gctgctggtc    960
atcctggcca cggagcagcc gctcactgca aagaagaagg tcctgtttgc actgtgctcc   1020
ctgctgcgcc acttccccta tgcccagcgg cagttcctga agctcggggg gctgcaggtc   1080
ctgaggaccc tggtgcagga gaagggcacg gaggtgctcg ccgtgcgcgt ggtcacactg   1140
```

7240

```
ctctacgacc tggtcacgga gaagatgttc gccgaggagg aggctgagct gacccaggag  1200
atgtccccag agaagctgca gcagtatcgc caggtacacc tcctgccagg cctgtgggaa  1260
cagggctggt gcgagatcac ggtccacctc ctggcgctgc ccgagcatga tgcccgtgag  1320
aaggtgctgc agacactggg cgtcctcctg accacctgcc gggaccgcta ccgtcaggac  1380
ccccagctcg gcaggacact ggccagcctg caggctgagt accaggtgct ggccagcctg  1440
gagctgcagg atggtgagga cgagggctac ttccaggagc tgctgggctc tgtcaacagc  1500
ttgctgaagg agctgagatg aggccccaca ccaggactgg actgggatgc cgctagtgag  1560
gctgaggggt gccagcgtgg gtgggcttct caggcaggag gacatcttgg cagtgctggc  1620
ttggccatta aatggaaacc tgaaggccat cctctttctg ctgtgtgtct gtgtagactg  1680
ggcacagccc tgtggccggg gggtcaggtg agtggttggg tgatgggctc tgctgacgtg  1740
caggggctcag cccagggcat ccaggaacag gctccagggc aggaacctgg gcccaggagt  1800
tgcaagtctc tgcttcttac caagcagcag ctctgtacct tgggaagtcg cttaattgct  1860
ctg                                                                1863
```

<210> 8661
<211> 1471
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1104)...(548)
<223> similar to gi4982472 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```
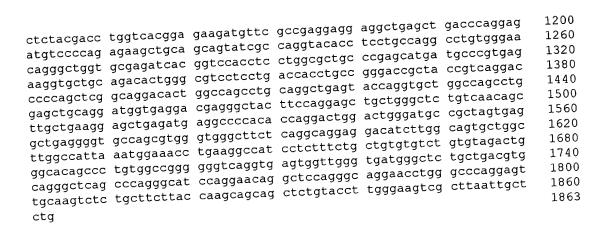      <400> 8661
tttttttttt ttactattcg ttaggctttt attttctct atgttctgca gtaactaagg   60
aaaatcatgg taaatgtcaa tcttcacaca acagcagaca caaagggttt cagaaacgtc  120
agatatgaag aaatcctcca tccttcttca acattttact gggtatttca acttcaaaag  180
aacagcttat ttctataagt gctgtacaag atcatagatt atgatggaac gacttcattt  240
tagaacgtta gcaaaactgt tatactaaat gtcaatgaca ggaaacaaag aaaaaaattt  300
gttcaattat attttttaaac atattgttat tctcaacaaa cggaatttta aaacgaatac  360
aattttccat tatcaaaagc aaacactcta tttcgcagtt gaacaatgat cactgatcac  420
aaatatcaaa tacagtgtcc cccgccccca atcgacatca ttttcaactt aggaccctgg  480
catctactcc ttggggtacc tgtgactctc ttttacaccc ccaagggtct gcctcagatc  540
tacttaaggg gcggaataac ccctagcacc tgaattgagg atagcctcaa cctctgcatc  600
atcgtccgaa tcccagtcat aattacaagg ccagtcttta gagcatcggt tacgaaccct  660
tgccacaaaa tgcatgactt tcagtttgct cgattccacg tgtgctcggg gcccccagaa  720
gaactcatac tccaccggac tgctacgggg caccggttta taaatcaggt accctctgcg  780
cacaaactct tctgtgacga tcttcttcgg atctccaaag atgctgtgct gacgtccagg  840
ctgcattcct aacttcccca gcactttcca gaccagagct tccttggcgc tgttgcccat  900
gatgaagatg agcgctaata tagacatcag gagactttc ttggtgccct gaaaattgct   960
ccggggcact gaaggctttt gtgcttgggc agtgctcgag gcttcttcag gggtggtaga  1020
ggcctcctct ggagtgctcg ggtcttcctc ggggccgctc aggtcgtctt cggggggtgct  1080
cgctaccaca gaggcggcca taggggtctc ggaggcctct gaggcctgga ttttgcgatt  1140
gttgcggttc tcttctgcgg ctctcgcatt acggcggcgc cgactctttc gtccccgagg  1200
catgtctcct gctagaggct caaagcttac agcagtccta gggaaggatg cttgtagcct  1260
cttcaggaag caacagcttt ataccgtaag aagctgctgc cgctgaagct accaatgtca  1320
atagagtctt tgtagcaata aacaagccgt tctcagctac aaagggtagt tcccacgcca  1380
gctgacttgc gcgagcagcc gccgccagca cttgccgcag ctgcaagccc gcgagaaagc  1440
```

tcagcaaaat tggccccgcc tctcctgcca c

<210> 8662
<211> 1836
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1837)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1716)...(951)
<223> similar to gi551174 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

```
    <400> 8662
tttttttttt ttattgcaca tcactccttt cattatactc gatactggaa aaaggattta        60
gtacagttat gctcagatga acactggacc catgtggcag ggtccaagca actagaacat       120
gattcagaaa tcagtggaaa gataccactt ggacaggacc aagagggcat ttcactgccg       180
atgaaacaca ggcaggaagg gattcttaat accccccca gggnagcaac tcctgccccc        240
tcaagaggtc aagcgcagcc tgatcctata ttggtatgag gaatggctta ttttctgatg       300
acccacatgt gggactattt caaccgccac aagaaacccc agaagggtta ttgttttgta       360
ttatatatac tatacttttt taataaaagt aaattaacac ataacgaaat tcaggattga       420
tcccaaccta gagccagatc ctctgggtc agggaggaaa cagttgtcac atcaccacgc        480
aggttacatt cgtcttccac tggaatgact agagccccca ggcagtaggc agtgacctga       540
ctgcagaaga gcagaggaca gactccgctc atgggacag acaggctctg ttgcttctcc        600
tcactggtca tggcttagca tggttcctcc ccaaagtcct tagtaaacaa agcactcgca       660
aaaacccaag tcactacttt taaactctgt tggataaggg gagcttttcc atagcttaga       720
ctgagaacct gtgctctaga actgctattc tgactagatt gtatgaaggg agtgggtgca       780
ggcgacaaaa tggctaaaat gaaaatggga gccactggtc cccgtctgca gctacaactc       840
aagatgtcta cagatgtggt cagtgtgaca tgtgcaggtg ggaggggcag agggacaaga       900
cgggcaggga gggtgctcct ggggacagta tcctccccgc cggccttcac ttcttggcct       960
tgccctgggc agccacagct tccatggctt tgcgcaccgt ctcttcatcc cccagaaact      1020
gcatggcctt gataggcttc aagttcttgt ccaattcata gacaatggga ataccagtcg      1080
gcaggttcag ctccatgata gcctcttcag agagaccctc cagatgcttg acaatgcccc      1140
ggaggctgtt gccatgggct gcaatcagta cacgtttccc ctccttgatc tggggaacta      1200
tttcttcatt ccagaagggc agagctctgg caatagtatc cttcagactc tcacaggagg      1260
gtagctgatc ttctgtgagg tctgcatacc tgcgatcctt actgatgttg ctgtagaaag      1320
gatggtcggg ctccatcgga ggtggtggga catcatagga gcgcctccag atcttcacct      1380
gggcctcacc atgctttgca gcagtttctg ctttattgag accggttaga cccccatagt      1440
gccgctcatt gaggcgccaa gtcctcacca ctggcagcca catctgatca atggcatcta      1500
gcactgtcca gagggtccgg atcgctctct tctgcactga ggtgaagcag atgtcaaact      1560
catagccagc atctcgtagc gcctgcccgc cgcgcttcgc ctcctcgtgg cccgccgggc      1620
tcaggtcggc gtcgtaccag ccgctgaagc ggttctccag gttccatgcg ctctcgccgt      1680
gccggatcag caccagtttg taggcggcca tggcggcggg ctggggatgc ggcaccgact      1740
gggattagca gattccggag tagcagcccg ccccgtcggc cgcgcctgcg cgctcgcacc      1800
gctcagtccg gctcccgcgc aagttctcgc ccaaat                                1836
```

<210> 8663
<211> 3789
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (79)...(2059)
<223> similar to gi535032 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8663

```
tttcgtgctg gagctgcgga tttagattgt cactgccacc tcggtcggtg cttacttcgc      60
tgccagctgg tcgtcgccat gaacccggac ctgcgcgggg agcgggattc cgccagcttc     120
aacccggagc tgcttacaca catcctggac ggcagccccg agaaaacccg gcgccgccga     180
gagatcgaga acatgatcct gaacgaccca gacttccagc atgaggactt gaacttcctc     240
actcgcagcc agcgttatga ggtggctgtc aggaaaagtg ccatcatggt gaagaagatg     300
agggagtttg gcatcgctga ccctgatgaa attatgtggt ttaaaaattt tgtgcaccga     360
aagggcggcc tg agcctctgga tcttcacttg ggcatgttcc tgcccacctt gcttcaccag     420
ggg cggcctg agcctctgga tcttcacttg ggcatgttcc tgcccacctt gcttcaccag     420
gcaactgcgg agcagcagga gcgcttcttc atgcccgcct ggaacttgga gatcattggc     480
acttatgccc agacagagat gggtcatgga actcacttc gaggcttgga aaccacagcc     540
acgtatgacc ctgaaaccca ggagttcatt ctcaacagtc ctactgtgac ctccattaaa     600
tggtggcctg gtgggcttgg aaagacttca aatcatgcaa tagttcttgc ccagctcatc     660
actaagggga aatgctatg attacatgcc tttatcgtac ctattcgtga aatcgggacc     720
cataagcctt tgccaggaat taccgttggt gacatcggcc ccaaatttgg ttatgatgag     780
atagacaatg gctacctcaa aatggacaac catcgtattc ccagagaaaa catgctgatg     840
aagtatgccc aggtgaagcc tgatggcaca tacgtgaaac cgctgagtaa caagctgact     900
tacgggacca tggtgtttgt caggtccttc cttgtgggag aagctgctcg ggctctgtct     960
aaggcgtgca ccattgccat ccgatacagc gctgtgaggc accagtctga aatgaagcca    1020
ggtgaaccag aaccacagat tttggatttt caaacccagc agtataaact ctttccactc    1080
ctggccactg cctatgcctt ccagtttgtg ggcgcataca tgaaggagac ctatcaccgg    1140
attaacgaag gcattggtca aggggacctg agtgaactgc ctgagcttca tgccctcacc    1200
gctggactga aggctttcac ctcctggact gcaaacactg gcattgaagc atgtcggatg    1260
gcttgtggtg ggcatggcta ttctcattgc agtggtcttc caaatattta tgtcaatttc    1320
accccaagct gtaccttga gggagaaaac actgtcatga tgctccagac ggctaggttc    1380
ctgatgaaaa gttatgatca ggtgcactca ggaaagttgg tgtgtggcat ggtgtcctat    1440
ttgaacgacc tgcccagtca gcgcatccag ccacagcagg tagcagtctg gccaaccatg    1500
gtggatatca acagccccga aagcctaacc gaagcatata aactccgtgc agccagatta    1560
gtagaaattg ctgcaaaaaa ccttcaaaaa gaagtgattc acagaaaaag caaggaggta    1620
gcttggaacc taacttctgt tgaccttgtt cgagcaagtg aggcacattg ccactatgtg    1680
gtagttaagc tcttttcaga aaaactcctc aaaattcaag ataaagccat tcaagctgtc    1740
ttaaggagtt tatgtctgct gtattctctg tatggaatca gtcagaacgc gggggatttc    1800
cttcagggga gcatcatgac agagcctcag attacacaag taaaccagcg tgtaaaggag    1860
ttactcactc tgattcgctc agatgctgtt gctttggttg atgcatttga ttttcaggat    1920
gtgacacttg gctctgtgct tggccgctat gatgggaatg tgtatgaaaa cttgtttgag    1980
tgggctaaga actccccact gaacaaagca gaggtccacg aatcttacaa gcacctgaag    2040
tcactgcagt ccaagctctg aagtgtcaca aggacaagtt taatctgctt cagaaagcgc    2100
ctgtgtgcaa ctcaaatttt gtggaatctt tttcgaattc aaatagctat agagcaaatg    2160
ataaattgac cccttttat aaatggaggg aaaaaatgaa cagatttcag agattaaatg    2220
```

```
aaaaaaagca gatgttttaa gtgcaattaa cactgaaaga gacctgttaa accattcaga   2280
aaaagcttaa gaaatgcgat atgacttcct tttgtaatgc tgctgatccc agtagactat   2340
gacttttgat aattagcaga atttaactac tgagtagttg attattttca cattttaatt   2400
gctaatcact ggctatataa gtgtttttaa gcaaaggtat ttttgaagtg gtgtagaacc   2460
cttccaagct ttcctgctca gtgttctacc agacttaccc tggggcctgg cttaaaagca   2520
ggattgaaga aaagggactg ggggaaggaa acttattgga aaacttgatg cgaatgagtt   2580
tctgcttggc acagtctctg cctgcttgct ctcctttgct gatggattgc atttatcaaa   2640
ctattcatgc tagcattttt ccaacgaggg aacttattcc gcacgggcct actgtaggac   2700
cattgtctcg tgtaattagg aattttccat ttgaaggatt gctaaattgt cacagtagta   2760
ggaagtatag ggaaacctct cagctgtggc actgttgtag ctttggagtg cagagtgtaa   2820
ctctgggaca atcagatttc acatattctg tcatcttggc ataagccatt aaaagcttgg   2880
agattactgt atttggcatt aaaaaaaaat gtcacttagg tcagcactcc cagacgtagc   2940
acagaaaaac cctttgacac aaaccatgtg ttctgatttt tggttcaaaa aatattgaaa   3000
ctgtgagttg tttttttttt aacaactggg aaaaaacaaa aacaaaaaac tatagttaga   3060
aaaatggaag ttccataggt tctatttctt actctatgta tggctttgtt ttcagtctat   3120
ttctaggagc tttctctgaa tcgctaattg tcctttcagt tgaaatctaa tttatacaat   3180
cattctatac ttaaaggtta aatacatctt aattaatttt ttcttaaagt caatgtaagt   3240
cactttgttt tgttttttttt taatctacgc catatgcctc atgaaaccag ctgttctaga   3300
atcagtcctg agaatatggc ttaattccat ggaaacataa ctcctatctt gggacctgac   3360
ataatatcta tctatcctgg ggaactggta atatgagact tataggttac agcagaaatg   3420
ctacatgttg acaaaagcct taatcgttcc actgggagaa ctaattgata attgtgttaa   3480
gattgaagat taaccctgtg ttaatctcac ttgagtctat cctgacagta gttcagattc   3540
tggaaaatga taaactgacc tgctagatgt agaattgttt caaaattagt gttgaaatac   3600
cttgttcaca gatgaatatc tgggcaggat ctgagggtgt ttggaatgac accccccaat   3660
ccagttgcat agatgggatg tctttgcagg tttgaggaga tcatcgacct gcagagcccc   3720
ctttgaccca gtacctcacg ttttatttaa aatctaaatc tggggccagg cgtggtggct   3780
cacgcctgt                                                          3789
```

```
<400> 8664
tttttttttt ttcagtttgg aaaaaatgtt ttattcctct ttgcacagag cagtttatga    60
aggtggtttt ctcctgactc catgcatctt ttacacaaag atgcccccctt aaatatgccc   120
cgttatctgc cccacctcag tgctggagaa ctggcagtta gtaagtgggg cagaatgctt   180
aagtctcagg aaggtttta aaggcatttt tgtggggagg aagttctggg tcaagggaa    240
agattagacc caagagtgag tattccattc tccatcttcc tggggaaatc caaaccccaa   300
```

```
aggttttatg aagaaaagca cctctctcag cgacctagag acagggagag cacagaccta    360
ctgcttgggt gtaaggctga ggcagagaga gggtaggttg cagcgactgc agacccacgg    420
cagagagtaa atgcatgtcg gggagctgag gggacagaga cagcctagag gcccaagtca    480
taagttccac tccttcccca gttctgagta gaaacttttc ttcccaagac tagaatggag    540
ttttagtttt aggaactggc tttgctccag gacacagaga agacaaacca ggcaacgatc    600
ccacaggtag taagggtgga cagttaaggt agctaactaa gagatggaca ctcgccactg    660
cagttttgaa gctatatgcc agatcagggt acagaatgca tttttatatgc cctgttcaat    720
acaatttaaa tcgctgtttc ttccatgttg tcccttccct atgaactatt cccaaagcct    780
cttccaaggc agaggacagg gcagtaagaa ggaatggaag aaaacactga ggtcactaag    840
tggggttagg gcttagattg gataaatccc tacccatccc cgcccccact cgttctatag    900
aaaagaattc tctttctctc tccccttgct gggctgttgg gatgagggcc aggtagaggc    960
aaagggagga aaacactcag cacattcttt ctcctacttt aatctgaagt gtagctacag   1020
caaagggcac agaatttaca aaaatgtcag ggcaagggag catgtgagca taatccagtc   1080
tagaaagaaa gaggggtgctt cccctgccct attatctaaa tatgctggga gctttactcc   1140
cagaactgca agaagaatga aaaagaatag gaagggtgta ggggaggttg aggggggcaac   1200
cacaaacaga atggagattt aaggatccct gtgatccccg agatgaccct gagagcatcg   1260
attggggaac tagatgaaaa ttcacagcag acatgcaaat tttttgaaga ggatgaagag   1320
ccaggaacag tgaggtcttc accgaaggag tgaccacttg atctgttctt tggctgactg   1380
cagcacctga gacacggtct gctccgtaag ggggacatct tcaccccctta atgccacccg   1440
gtgtaccacc tgctgggggat cactctctag gatcacccct ccatctacaa tttcatccac   1500
agccaagaac agcccctcca tgttctccag cagtgctcgc ttttctacat ttttcctcag   1560
catctggctc aatgagtcga agagacagtt cagaacagcc ataagcatca gctcattttc   1620
ataggagctg ccaatcacat agaaatagag atctatactg cttttgtata ccactgtcag   1680
gccttccaag agggcaattt cactgtcagt ccgatgggtc ttgttgaaaa tgttcttctc   1740
aaaggccttt tgctccttga cactggggta ggtgtcgtca tagtacttgg caaaaagtcg   1800
atctccatca ttgtccagaa tcaggatggc tttgacagta tacaggaag gttccaaaat   1860
cagcgcctcc atcttgcccc gcagcggacg cgtgggtcgn cgcngttttt cangngcatc   1920
                                                                    1944
agcgaggcta tcattttacc ccgt
```

<210> 8665
<211> 3589
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (822)...(2356)
<223> similar to gi3002953 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8665
```
gcggcggcgc gagcggcgtg tcggcggcgg ttccagcatg aagaggagag ctggcctggg     60
gggcagcatg aggtcagtgg tgggcttctt gtcccagcgg ggcttgcatg gggacccct    120
gctcactcag gactttcaga ggagacgcct gcggggctgc agaaacctct acaagaagga    180
cctcctcggc cacttcggct gtgtcaatgc cattgaattc tccaacaatg gaggccagtg    240
gctggtctca ggaggagatg accgccgggt tctgctatgg cacatggaac aagccatcca    300
ctccagggtc aagcccatac agctgaaagg agagcaccat tccaacattt tttgcctggc    360
tttcaacagt gggaacacta aagtgttctc tggaggcaat gatgagcaag ttatcctcca    420
tgatgttgaa agcagtgaga cattggacgt gtttgctcat gaagatgcag tatatggctt    480
gtctgtgagc ccagtgaatg acaacatttt tgccagttcc tcagatgatg gccgggttct    540
```

```
catttgggac attcgggaat cccccatgg agagcccttc tgcctggcaa actatccatc    600
agcctttcat agtgtcatgt ttaaccctgt ggagcccagg ttgttggcca cagccaattc    660
aaaaggaagg agtgggactc tgggacattc gaaaacctca gagttctctc ctgcgctatg    720
gtggaaacct gtccctccaa agtgccatga gtgtacgatt caacagtaac gggacccagc    780
tcctggccct gaggcgaacgc ctgcccctg tgctctatga catccattcc cgcctgcctg    840
tgtttcagtt tgacaatcag gtttacttca actcatgcac catgaaaagc tgctgttttg    900
caggagatcg tgaccagtat atcctttcgg gctctgatga cttcaacctg tacatgtgga    960
gaattcctgc agatccagaa gcaggtggca ttggtagggt ggtcaacgga gccttcatgg   1020
tgctgaaagg gcatcgatct attgttaacc aagtccgatt taatccccac acctacatga   1080
tctgctcttc tggtgtagaa aagattatca agatctggag cccatacaag cagccaggat   1140
gtactggaga cctcgacggt cggattgagg acgattcccg ctgcctctat acccatgaag   1200
agtacatcag ccttgtgctg aacagtggga gtggcctgtc gcatgactac gccaaccagt   1260
cggtccagga agacccccgg atgatggcct tctttgactc actggtacgc cgagagatcg   1320
agggctggag ctctgactca gacagtgacc tcagtgagag tactatcctc caactgcacg   1380
ctggggtcag cgagcgctca ggctacactg actcagagtc ttcggcctca ttgcctcgct   1440
ccccgcctcc cacagtagat gagtctgccg acaacgcctt ccacctgggg cccctgcggg   1500
tcaccaccac aaacacagta gcctcaactc caccaacacc cacgtgtgag gatgcagcct   1560
ctcgccagca gcgtctgtct gctctgcggc gctaccaaga caaacgcctc ctggcccttt   1620
ccaatgagtc cgattctgag gagaatgtct gtgaggtgga actagacaca gatctctttc   1680
cccggccacg gtcacccagc cccgaagatg aatccagcag ttccagcagc tctagcagct   1740
ctgaggatga ggaggagctg aatgaacgcc gagcctctac ctggcagcgg aatgccatgc   1800
ggcgccgaca gaagacaacc cgagaagaca gcccagtgc cccaatcaag cccaccaaca   1860
cttacattgg agaagacaac tatgattacc cccagatcaa agtggatgac ctctcctcct   1920
ccccaacctc gtccctgag cggagcactt ccacgctaga gattcaacca agccgggcat   1980
caccaacttc tgacatagaa tcagttgagc gaaaaattta taaagcttac aagtggctcc   2040
gctactctta tatctcctac tcaaataaca aagatggaga gacctccttg gtgaccgggg   2100
aggcagatga agggagagca ggaaccagcc acaaagacaa cccagcccct tcttccagta   2160
aggaagcctg tctaaacata gcaatggccc agaggaacca ggacctgcca cctgaaggct   2220
gcagcaagga cacttttaaa gaagagactc ctagaactcc cagcaatggc ccaggccatg   2280
agcacagcag ccatgcttgg gcagaggtgc cagagggtac ctctcaggac actggcaata   2340
gcggctctgt agagcaccct tttgaaacca agaagctcaa tggaaaggcc ctgagcagtc   2400
gggctgagga gccgccttct cctcctgtcc ccaaggcatc tggctccact ctcaacagcg   2460
ggtctggcaa ctgtcccagg acccagtctg atgacagtga ggagaggagc ctcgaaacca   2520
tctgtgccaa ccacaacaat ggacgcttac accctcgtcc ccctcaccct cacaataacg   2580
ggcagaactt gggggagctg gaggtggtgg cctactcttc cccaggacac tcagacactg   2640
accgtgataa ctcgtccctg acagggacac tcctacacaa agattgttgc gggtctgaaa   2700
tggcctgtga gaccccaat gctggaacaa gagaggaccc cactgacacc ccagccacag   2760
atagtagcag ggctgttcat ggccacagtg gcctcaaaag gcaacgaatt gaattggaag   2820
atacagattc agagaattcc tcctcagaga agaaattaaa aacatgataa atacaaaggg   2880
aaaacaaaaa gctacaaaag tagccttaca aaaaaaaaaa aaattgttta gtgaatacag   2940
aggaagggaa aaacaagttt taagggcaca tgaaaccagg gcctgaaatt ttgggtctga   3000
tgctgctccc ttctatccaa cattcaacaa cgggtctgaa tgtctagctg gccattggtt   3060
tgtgctgtgt taagaaaggg gaaaaaaaaa taacccaagt gactcctttc tagtgagacg   3120
tgagcgtagt gtgccgcgca aggctctgtg gaagtaaatc tttgttgaga cgttcgactt   3180
gttcttgtgt accgcacaat ggcacgtgtg cgcttattgt cttataagac cttcctttta   3240
gttctccatc agaaaggacc tatgaatttg tacttttgc catctcaccc tgtttacatg   3300
ccataggtgt tctggtctgg atgatgggtg cctgttaaat caggttgtgc tgccagtgag   3360
ttgtagattt atgctgggaa gaatggagaa tggaaacagg ccttcagccc attggctgcg   3420
ctggagagga aagcatggtt cctttcttaa agaaatcttc catgttttct ctaagtaaca   3480
cttctttatt gagcatttaa tgtggacata ctataaaaaa gaatttttaa tgctaatgag   3540
                                                                    3589
aggtttagca cttaagatca gattcaagag aatataggtt cctgataaa
```

<210> 8666

<211> 676
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (538)...(285)
<223> similar to gi3877369 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8666
tttttttttt ttgaagagag cagattctct ttattgagat acgggacaca gcgaagggtg   60
gagagacgga acagccccc agcctcagcc ctctccacgg gggccggatg ccagagatgg   120
gagaagggat tcagtctctc gcccgggaaa cccagtccca cagagggcgc cggcaagggt   180
gggacgcgac ctgggtgaca cggtgcaggg agtctttaaa tagaggaggg gctggagcgg   240
ggaaacgcgc cggggcccta gcgcaccatg tattccttgc gcttattgag ccgaacttgg   300
cagaaagaga agcctccgag gaggaggtaa aggcctgcag cgatgaaaca gttgtagctg   360
acttgctcgt aaaggttgta tatgttctgg gggccattct caaaatcttt ctccgtgaag   420
ggaacgtcct caatcaacac agcggaatgg acattgaaaa atattccgag cattatcaac   480
atgatcactc cccaggcgct gaggacgatg ccgcaggcgg ccagcttcgg cccacagcac   540
aggagcgacg ccataaagaa gggagtcggg gatcgccgag gtgcaagcgg gctcggaaag   600
cggtgggaga aagcccagga tgccctcgcc cacgcgtccg cccacgcgtc cgcccacgcg   660
tccgcccacg cgtccg   676

<210> 8667
<211> 5381
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1325)...(2851)
<223> similar to gi3309537 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8667
ccacacctta ggggaaagaa ccacctccta gagtaaagac tactctaggc agggtgtggt   60
ggctcacacc tgtggtccca gaactttggg aggccaaggt gggcgaatca cgaggtcagg   120
agtttgagac tggcctggcc aatatggtgg agccccgtct ctaccaaaaa tataagaatt   180
ggctgggtgt ggtggcgggt gcctgtggtc ccagctgctc gggaggctga ggtgggagag   240
tggcttgagc ctgggaggcg gaggttgcgg tgagccgaga tcgcgccact gcactccagc   300
ctgggtgaca gagtgagact ccatctcaag aaaaaaaaga aaaaaaaaa aaagaatgga   360
gatactagag gttgcacagt gctgagaaat atgaggttct gacctagcca gagtggagag   420
aacttttttaa catcataggc attcaattga aaaaccacac cttaggggaa agaaccacct   480
cctagagtaa agactactct aggcagggtg tggtggctca cacctgtaat cccagaactt   540
tgggaggcca aggtgggcga atcacgaggt caggagtttg agactggcct ggccaatatg   600
gtgaaacccc gtctctacca aaaatataaa aattagctgg gtgtggtggc aggtgcctgt   660

```
agtcccagct actcaggagg ctgaggtggg agaattgctt gaacctggga ggcggaggtt    720
gcagtgagcc gagatcacgc cactgcactc cagcctgggt gacagaccga gactccatct    780
caaaaaaaaa aaaaaccaaa aaccaaaaac caaaaaacca cccagggggtc ttgttaaaat    840
gcagatgttg aatcagtagg tctggtggtg cggcctgaga ttctgcattt ccagcaagct    900
cccaggagat gccagtgctg gtgggtagag gtaggggaggg tcctgctctg cagttatctg    960
ggtgtcttat tacgactcct ttaccctcct cctttgctaa ggactgggag acttctccac   1020
tgcctgggat gctggccccg gcagctggcc ctgcctttga cagtgaccct gagatctccg   1080
acgtggatga ggatgagccc aggggggtctg gtgggctctg cggatgttgt ctcccccagc   1140
ggccactcag atgcccagac cctggccatg aatgctgcag gagcagctgg atgccatcaa   1200
tgaggaaatc aggatgattc aggaagagaa ggagtccacg gagctccgcg cggaggagat   1260
tgagacgcgt gtaaccagtg gcagcatgga agccctaaac ctgaagcagc tgcgcaagcg   1320
tggttccatc cccacctctc tgacggacct gtccctggcc agcgcgtccc caccactcag   1380
cggccgctcc acacctaagc tcacctcccg cagtgctgcc caggacctgg accgaatggg   1440
ggtcatgacc ctgcccagtg acttaagaaa gcataggagg aagctgctgt cgccagtgtc   1500
tcgggaagag aaccgagagg ataaagccac cataaaatgt gagacttctc ctccttcctc   1560
acccaggacg ctgcggctag agaagcttgg ccacccagcc ctgagccagg aagaaggcaa   1620
gagtgccttg gaggatcagg gcagcaaccc cagcagcagc aacagcagcc aggactccct   1680
gcacaagggc gccaagcgca agggcatcaa gtcgtccatt ggccgcctgt ttgggaagaa   1740
ggagaagggc aggctgatcc agctgagtcg ggatggagcc acaggccatg ttctgctaac   1800
agactccgaa ttcagtatgc aggagcctat ggtgcctgcc aagctgggga cccaggcaga   1860
gaaggaccgg cggctaaaga agaaacacca gctgcttgaa gatgcccgca ggaaaggaat   1920
gcccttgcc cagtgggatg gtcctactgt ggtctcctgg ttggagctct gggtgggggat   1980
gcctgcctgg tatgtggcag cctgccgggc caacgtcaag agtggtgcca tcatgtccgc   2040
tctgtcggac acagagatcc agcgggagat cggcatcagc aatgccctgc accggctcaa   2100
gctccgcctg gccattcagg agatggtgtc attgaccagc ccctctgccc cacccacctc   2160
caggacttct tctgggaatg tctgggtcac ccatgaagag atggaaactc tggaaacatc   2220
tactaaaaca gacagtgagg agggcagctg ggctcagacc ctggcctatg gggacatgaa   2280
ccatgagtgg attgggaatg aatggctacc cagcctgggg ctcccgcagt accgcagcta   2340
cttcatggag tgcctggtgg acgcccgcat gctggaccac ctcaccaaga aggacctgcg   2400
ggtccacctg aagatggtgg acagcttcca tcgaaccagt cttcagtatg gcatcatgtg   2460
tctgaagagg ctgaattatg accggaagga gctggagaag aggcgagagg agagccagca   2520
tgagatcaag gatgtgttag tctggaccaa cgaccaggtg gttcattggg tccagtctat   2580
tgggctccgg gactacgcag gaaacctgca tgagagtggt gtgcatggag ccttgctggc   2640
cctggacgag aacttcgacc acaacacact ggccctgatc ctccagatcc ccacacagaa   2700
cacccaggca cgccaagtga tggaaagaga gttcaataac ctgttggcct tgggcacaga   2760
ccggaagctg gatgacgggg atgacaaggt gtttcgccgc gcgccctcct ggaggaagcg   2820
cttccggccg cgggagcacc acggtcgcgg cggcatgctc agcgcttccg cggagaccct   2880
cccggcgggc ttccgtgtgt ccaccctggg gaccctgcag cccccaccgg ccccgccaaa   2940
gaagatcatg cctgaagctc actcccacta tctctacgga cacatgctct ccgccttccg   3000
ggactagcca tggcccccag ggctggcttc ctccttctgg gtttcacagg ctcctctggc   3060
cctgaccct cttgctcgtt ccccttcctt ccgcagctcc tagtctcgtc cgtgactttc   3120
cggttgccct ggatctcaga atatattcgt ccacccctc ggcaccccat taccccgagt   3180
cccaccgtgt gtccgttgta agtccggtgg atgtggctgg ggtttcctgg tattgtggag   3240
gcacccaggt tgtccatgct tgggattctg ggggaaggag agaagggcag ctcagggtgg   3300
atgtgaagcc acccttcctc ttctggaccc agcctggtct gcactgcaac ctccaccagg   3360
accaggatcc tgggccacag gctgggatgg tccttccaag aaagggtcat ttcagacgca   3420
gccctgcttg ggctattcaa tcttaggtg tctatccacg tctggctgtg ccaaatggtc   3480
tggcagctgg ttttggcatc cccagcatca ccactcttcc aacccatcac cgtgactgca   3540
gttcctgccc ccattctctt ggggtcaggg aggggctggg aagggctact gaaggcccca   3600
ttctcccaca ggatggtgag gctgggagga ggaagactga ggtagagatt ccaggccctg   3660
gcataagctg aatcccaaat ttgggtttgg gaagaaccag agagaaatgg atccctgagc   3720
tctgagccaa gggtgaggat ggggaaactc taagctccca cctaataaga agcataggca   3780
gaccagccag agggagagcc aatggcctct ggtagcctta agcccaaaag gcagtgggaa   3840
tgtcccctgc cccaaccatc gggtggagct tctgctgggc tatggggaag ggaggttgtg   3900
cggatcttga ctctagggca gaacagatct aaccatgcat tgctagctct gctctcagca   3960
tcccttcccc ttctctcctc ctctgcctca cttctttagt aatcccaacc ctataaaaat   4020
gagcctaatg ggtggattga atatacattg agcccaaagt caagtttggg gaaaaggcag   4080
```

7248

```
actaaggcct cctttctctg acctcccagg aagaaaatag cttctcctac agtgattcat    4140
gtcccaggtc caggaaatcc aatcttggtg aaggcagcca ctctcttgct tgtccccaaa    4200
tcacctaacc ctcatccagg gctattttgg tgggcaggga ctgcctcctc ccggaattcc    4260
taagatccgc ccagctgcca ccattttcat tgctttcccc agcagcatga tgggaaccca    4320
agctgaggga tacaggtcct gatttggtag gaatattatt cccaagaaat acccgctcct    4380
cacctactcc ctcatcctac caaggtgcct gaaaatgttc aagacttatg ttcagggtgg    4440
gatgatggaa ccgagggctt catcaaagtg agaggaaagg aaaagcatct ggcatgtgtt    4500
tcttggatag gggccagtgc agtgccatcc tacaggtggc tggagcagct gctttgcaac    4560
ctgatcacct tgagttctga gcagggacta ggcttgcagg tgagataatg gggccagggc    4620
acccagtcca gaaggagcaa ttggcacctg gggcagtgcc aggggcttta aagcccgctt    4680
gcttcctttt tcggtagagg gagaggccca tcactggtgt ggtggggtgg gctctccctt    4740
aggcttgggc aaggcagcca cctgcccttg ctctccctta gtgttccctg gcctccctgc    4800
catcaggttg ctgggagtgg agatggaggg attattgagc agaaaatgag ttggatggag    4860
ataaacagct cccatccctg ggtaatggat ggtaagatga tggagattcc taagattggt    4920
ggagttgggc aatgcatagc catctgactc cttcagggtg ctcttgatgg gctggctgta    4980
agggagactc agtcccagcc tctccccctc ctaaaaactc cctgcccact gttggcccca    5040
tgtccgtaaa ggcagcagct gtgccaggat agctgggtcc attcagagca ccttgagaag    5100
tgttgcaggg aggtgttaag aagagaaatc tgtgcaaaca gtgatggaag gctgttgtct    5160
tggtgtatcc cttgcctcat agtcaatata tttttttttt ggcgagtcac cagtgacccg    5220
agccctccac accagcctcc tgtatctcat caggtccctt ctcagtactg tatttgctca    5280
gtgcatcagg aatgggtgta tgggtgtgtg tgggtgggtg tgagtgtggg tgtgtacgta    5340
                                                                     5381
ccaataaaca acctggtttt aagacaatgt aaaaaaaaaa a
```

```
        <400> 8668
        tttcgtggca ccgagaggcc tgcatgggcg tgtgtagcat gtgtattttc agagcccgac     60
        acttgaggag actgttgctc aatttaagaa agcacagcta ttggaaagcc aggaaacaga    120
        cccagagagg cggatgcatg tgggagcaaa gagctttggg cagcctttaa gctgaggaag    180
        tggagaggct ggcggcgatg cgttctgact ccctcgtccc aggcacccac accccaccca    240
        tccgcaggag aagtaagttt gccaacctgg gaaggatttt caagccttgg aaatggagga    300
        agaagaaaag cgaaaagttc aaacacacgt cagcagccct ggaaaggaaa atatctatga    360
        ggcaaagcag agaagagctg ataaagcgag gagtcctgaa ggaaatctat gataaagatg    420
        gggaactctc tatatccaat gaagaggact ccctagaaaa tgggcagtcc ctgagctcca    480
        gccagctgtc tctgcctgcc ctgtccgaaa tggagccagt cccaatgccc agggatccct    540
        gctcatatga ggtgctccaa ccgtcagaca tcatggatgg ccagatcct ggcgcccctg    600
        tgaaattgcc ttgtctgcca gtgaaactgt cgcctccgct acctccaaag aaagtcatga    660
        tctgtatgcc cgtggggggg ccagacctct cactggtgtc ctacacagcc caaaagagtg    720
        gccagcaggg tgtggcccag caccaccaca ctgtcctgcc ctcccagatc cagcaccagc    780
        tgcagtacgg cagccacggc cagcacctcc cctccaccac cggctccctc cccatgcacc    840
        cctcgggctg cagaatgata gacgagctca acaaaacgct ggccatgacc atgcagaggc    900
```

```
tggaaagctc tgagcagcgg gtcccctgtt ccacttctta ccacagctct gggttgcact      960
cgggtgatgg ggtcaccaaa gcaggaccta tgggccttcc agaaataaga caagtgccaa     1020
ctgttgtgat tgaatgtgat gacaataaag aaaatgtgcc tcatgagtca gactacgaag     1080
actcttcttg cctgtataca agagaagagg aggaagagga ggaggacgaa gacgacgaca     1140
gctcattata caccagctcc ctggccatga aggtctgcag gaaggactcc ttagccatca     1200
aacccagcaa caggccctcc aagcgagagc tggaagaaaa gaacatcctt cccaggcaga     1260
cggatgagga gcggctggag ctgaggcaac agattggcac caagctca                  1308
```

```
<400> 8669
ttcccgggtc gacgatttcg tccagggcgg acaggctggg cgcacccgtg ctcgcgcacc       60
ccaagatggc tgagaggcag gaagagcaga gagggagccc gcccttgagg gcggaaggca      120
aggccgacgc ggaggttaag ctcattctgt accattggac gcattccttc agctctcaaa      180
aggtgcgctt ggtaattgct gaaaaggcat tgaagtgcga ggaacatgat gtaagtctgc      240
ccttgagtga gcacaatgag ccttggttta tgcgtttgaa ctcaactgga gaagtgcctg      300
tccttatcca cggggaaaac ataatttgtg aggccactca gatcattgat tatcttgaac      360
agactttcct ggatgaaaga cacccaggt taatgcctga taaagaaagc atgtattacc      420
cacgggtaca acattaccga gagctgcttg actccttgcc aatggatgcc tatacacatg      480
gctgcatttt acatcctgag ttaactgtgg actccatgat cccggcttat gcaactacaa      540
ggattcgtag ccaaattgga aacacagagt ctgagctgaa gaaacttgct gaagaaaacc      600
cagatttaca agaagcatac attgcaaaac agaaacgact taaatcaaag ctgcttgatc      660
atgacaatgt caagtatttg aagaaaattc ttgatgagtt ggagaaagtc ttggatcagg      720
ttgaaactga attgccaaga agaaatgaag aaaccccaga agagggccag caaccttggc      780
tctgcggtga atccttcacc ctggcagacg tctcactcgc tgtcacattg catcgactga      840
agttcctggg gtttgcaagg agaaactggg gaaacggaaa gcgaccaaac ttggaaacct      900
attacgagcg tgtcttgaag agaaaaacat ttaacaaggt tttaggacat gtcaacaata      960
tattaatctc tgcagtgctg ccaacagcat ccgggtggc caagaaaagg gccccaaaag     1020
ttcttggcac gacccttgtg gttggtttgc ttgcaggagt gggatatttt gcttttatgc     1080
ttttcagaaa gagacttggc agcatgatat tagcacttag acccagacca aattatttc      1139
```

<221> misc_feature
<222> (83)...(1512)
<223> similar to gi5106795 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

    <400> 8670
acgcgctggg ccgcgggcag cgtcgcctca cgcggagcag agctgagctg aagcgggacc   60
cggagcccga gcagccgccg ccatggcaat caaatttctg gaagtcatca agcccttctg   120
tgtcatcctg ccggaaattc agaagccaga gaggaagatt cagtttaagg agaaagtgct   180
gtggaccgct atcaccctct ttatcttctt agtgtgctgc cagattcccc tgtttgggat   240
catgtcttca gattcagctg accctttcta ttggatgaga gtgattctag cctctaacag   300
aggcacattg atggagctag ggatctctcc tattgtcacg tctggcctta taatgcaact   360
cttggctggc gccaagataa ttgaagttgg tgacacccca aaagaccgag ctctcttcaa   420
cggagcccaa aagttatttg gcatgatcat tactatcggc cagtctatcg tgtatgtgat   480
gaccgggatg tatggggacc cttctgaaat gggtgctgga atttgcctgc taatcaccat   540
tcagctcttt gttgctggct taattgtcct acttttggat gaactcctgc aaaaaggata   600
tggccttggc tctggtattt ctctcttcat tgcaactaac atctgtgaaa ccatcgtatg   660
gaaggcattc agccccacta ctgtcaacac tggccgagga atggaatttg aaggtgctat   720
catcgcactt ttccatctgc tggccacacg cacagacaag gtccgagccc ttcgggaggc   780
gttctaccgc cagaatcttc ccaacctcat gaatctcatc gccaccatct ttgtctttgc   840
agtggtcatc tatttccagg gcttccgagt ggacctgcca atcaagtcgg cccgctaccg   900
tggccagtac aacacctatc ccatcaagct cttctatacg tccaacatcc ccatcatcct   960
gcagtctgcc ctggtgtcca acctttatgt catctcccaa atgctctcag ctcgcttcag 1020
tggcaacttg ctggtcagcc tgctgggcac ctggtcggac acgtcttctg ggggcccagc 1080
acgtgcttat ccagttggtg gcctttgcta ttacctgtcc cctccagaat cttttggctc 1140
cgtgttagaa gacccggtcc atgcagttgt atacatagtg ttcatgctgg gctcctgtgc 1200
attcttctcc aaaacgtgga ttgaggtctc aggttcctct gccaaagatg ttgcaaagca 1260
gctgaaggag cagcagatgg tgatgagagg ccaccgagag acctccatgg tccatgaact 1320
caaccggtac atccccacag ccgcggcctt tggtgggctg tgcatcgggg ccctctcggt 1380
cctggctgac ttcctaggcg ccattgggtc tggaaccggg atcctgctcg cagtcacaat 1440
catctaccag tactttgaga tcttcgttaa ggagcaaagc gaggttggca gcatgggggc 1500
cctgctcttc tgagcccgtc tcccggacag gttgaggaag ctgctccaga agcgcctcgg 1560
aaggggagct ctcatcatgg cgcgtgctgc tgcggcatat ggactttaa taatgttttt 1620
gaatttcgta ttctttcatt ccactgtgta aagtgctaga cattttccaa tttaaaattt 1680
tgcttttat cctggcactg gcaaaaagaa ctgtgaaagt gaaattttat tcagccgact 1740
gccagagaag tgggaatggt ataggattgt ccccaagtgt ccatgtaact tttgttttaa 1800
cctttgcacc ttctcagtgc tgtatgcggc tgcagccgtc tcacctgttt ccccacaaag 1860
ggaatttctc actctggttg gaagcacaaa cactgaaatg tctacgtttc attttggcag 1920
tagggtgtga agctgggagc agatcatgta tttcccggag acgtgggacc ttgctggcat 1980
gtctccttca caatcaggcg tgggaatatc tggcttagga ctgtttctct ctaagacacc 2040
attgttttcc cttattttaa aagtgatttt tttaaggaca gaacttcttc caaaagagag 2100
ggatggcttt cccagaagac actcctggcc atctgtggat ttgtctgtgc acctattggc 2160
tcttctagct gactcttctg gttgggctta gagtctgcct gtttctgcta gctccgtgtt 2220
tagtccactt gggtcatcag ctctgccaag ctgagcctgg ccaagctagg tggacagacc 2280
cttgcagtga tgtccgtttg tccagattct gccagtcatc actggacacg tctcctcgca 2340
gctgccctag caaggggaga cattgtggta gctatcagac atggacagaa actgacttag 2400
tgctcacaag cccctacacc ttctgggctg aagatcaccc agctgtgttc agaattttct 2460
tactgtgctt aggactgcac gcaagtgagc agacaccacc gacttccttt ctgcgtcacc 2520
agtgtcgtca gcagagagag gacagcacag gctcaaggtt ggtagtgaag tcaggttcgg 2580
ggtgcatggg ctgtggtggt gttgatcagt tgctccagtg tttgaaataa gaagactcat 2640
gtttatgtct ggaataagtt ctgtttgtgc tgacaggtgg cctaggtcct ggagatgagc 2700
accctctctc tggcctttag ggagtcccct cttaggacag gcactgccca gcagcaaggg 2760
cagcagagtt ggg   2773

<210> 8671
<211> 765
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (715)...(358)
<223> similar to gi2739294 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8671

```
cctttttttt tttttctggt ttaaatcatt tatctccatg tagagatttg agtacaaaaa    60
taaacggcaa caaaacagaa ggagtgtgaa atccggggat ccacagggct tctgtcctcc   120
accttccatg cagctggggg ctgcatcctc tgtggggtgg cttcatcctc tgtggggtct   180
gtggggcctg ctccaagtca tcagcattcc atgcccacct ggacctggtc ccagactttc   240
ggggaagccc tcagcctggg gctcctggca cccccgttgc ggctggggaa gagaggtgtg   300
gaatccccag agaaagggaa ggaaaggcat gaggggcctt ccctgggggg aaggtcacag   360
gctgggggct aagatgacgg ccaggaggct cagggccagc cccaggctga gggcactgtg   420
ggcgagggcg gtgcgggtgg gtgcagcgtt gtgcagcttc tcattgcaca ggtcctcctg   480
gcagcactgg gtggagctgg tgccgctgct gacctggcct tgcaggtgt agctgggtgt   540
gcacgactcc gcacagtcct tcttcaccag attcccctc agaggctcca ctgtgttcgt   600
ggtcttgcag aagcgagagc tggccgggca gaccacagaa tgcttgcagt tgctggagct   660
ggtgcacacg tggcagcgca gggtaagggc tggccctgta gccacagcca gggttcaagg   720
acacaatcgc ggcgcgtggg cgaccggaat tcgggcggtc gaagg                   765
```


<210> 8672
<211> 1544
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1545)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (459)...(1208)
<223> similar to gi3873700 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8672

```
cgctgcagga attcggcacg agggcacgcg ggactgctac gaggtgctgg gcgtgagccg    60
ctcggcgggc aaggcggaga tcgcgcgggc ctaccgccag ctggcccggc gctaccaccc   120
tgaccgctac cggccccagc ccggagacga gggccccggg cggacgccgc agagcgccga   180
ggaggctttc ctgctggtgg caaccgccta cgagacactc aagtcctcct gcatatgccc   240
aagaggattg ggagtggaat ggacaccagc agaagcacca cagttattcc tgtagagatt   300
agaaacaagg agcttattgc cctgcttgtc aaggctcagg acagacagga ggaagaaaca   360
agtataaagg ttttggtttt ggaaagaagt tggaatctcc agaccctggg accttaagat   420
ccacaaaatt gctgaaagaa aaagtnctcc cttattgaaa ggatgaagaa acacgaaaag   480
attatgatta catgctggat catccagaag agtactacag ccattactac cactactata   540
gcaggcgctt ggcccctaag gtggatgtta gagtagtgat tttggtcagc gtgtgtgcta   600
tttcggtgtt tcagtttttc agctggtgga atagctacaa taaggcaatc agctacctag   660
ccacagtgcc caagtaccgt atccaagcta cagagattgc caagcagcag ggactgctca   720
aaaaagccaa agaaaaaggc aaaaacaaaa agtccaaaga agaaattcgt gacgaggagg   780
agaacatcat aaagaacatt ataaaaagta aaatagatat aaaggggggc tatcagaaac   840
cccaaatctg tgatcttctc ctgtttcaaa ttatcttagc tccttttcac ctatgctcat   900
atatagtttg gtattgtcgg tggatctata attttaacat caaaggcaaa gaatatggag   960
aggaagagag attatacatt atacgtaaat ctatgaagat gtcaaagtct caatttgata  1020
gtctagaaga tcatcagaaa gaaacttttc ttaaacgaga gctctggatc aaggagaatt  1080
atgaggtcta caagcaagaa caagaggaag aattaaagaa aaagttggca aatgacccca  1140
gatggaagag atacaggaga tggatgaaga atgaagggcc tggcggtta acatttgtgg  1200
atgactgaag attgatggaa tgctactatg ccaaacctta attgtgatat tattttcata  1260
actgaattat tttagaaatg tatcaattga ctgctgctca gcagtaacta aaattcctca  1320
agtatttgat taaacagaat aatgtcaaaa tttaaacctt cccttaaaac tttatacata  1380
agacatttat gattgttcaa tttttataat ctatttgtgg attttgttaa aagatttcac  1440
atgaagattt attagttgcc atttaaaatt tttatatgtt tagttaaaag atttgacatg  1500
aaaatctatt agataccatt taaaaatttt aaaaaaaaaa aaaa                    1544
```

<210> 8673
<211> 831
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (259)...(833)
<223> similar to gi498721 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8673
```
cttttttttt tttctactta tttcttgccc ttttttttcat attgctcata tttgagaatt    60
ttctaagcca ttcacttctc atatgcttta cttcaagatt ttctatatct attttagaag   120
ttgtattgct ttttgtacat acaaccgtat gatgttttta ccttcttatt tttcagacat   180
gcagtcgagg tgtcagacca agaagttatt accaaaaaat ggcatttttg agagagaaat   240
agcccaattg gaaataatga gaatttgtaa aaaccacagc cttgactgtt tatgttttag   300
aggtgactgg gaaggcaaca ctcagtttca aacacttcaa gataatcaag aggaatgctt   360
caagcaggtg atacgcacct gtgaaaaaag gcccactttt aaccagcata cagtgtttaa   420
tctacaccag agacttaata caggagacaa actgaatgaa tttaaagaac tggggaaagc   480
ctttatttct ggttcagatc atactcaaca tcagttaatt cacacaagtg agaaattctg   540
tggagataaa gaatgtggga atacctttct tcctgattca gaagttattc aatatcagac   600
agttcacact gttaagaaaa catatgaatg taaagaatgt gggaagtctt ttagtttacg   660
```

7253

```
ttcgagtctt actgggcata agagaattca taccggcgag aaacctttta aatgtaagga    720
ttgtgggaaa gcctttagat ttcattcaca acttagtgtc cataagcgaa ttcatactgg    780
tgagaaatct tatgaatgta aggaatgtgg gaaggccttt agttgtggct c             831
```

<210> 8674
<211> 469
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (208)...(456)
<223> similar to gi339486 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

```
<400> 8674
ctccccacga ggccttcctg gcctcctgtc tgaagtgggt ccctttcctt actggtccct     60
ctccaaagcc ctggctgcaa gactcgggga ccccagcatc tgcacatctg gcagagtgga    120
cctcctatga gaactgcctg agatctgagg agcccagagc cggaggagca gtaccgttgt    180
catggccacc atgacgggct ggtgcgggcc aactgccaac tcgccagagc tggtaaacac    240
tctgttgtta cccctaacta tcaagagcgc gcgcgcccac aagatattac gtcaacggcc    300
gcatctattg ggacgcgacg taacagactg cgcaggcatc ttttggctgt tcccagcgaa    360
gacctgggac cttctggtca gaggccacgc agtatgggag cccgatcttt aggagcacag    420
cgcacatgaa caaaacatgt gacacgataa cgtcggggtg cagcttacg                469
```

<210> 8675
<211> 1080
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (417)...(1080)
<223> similar to gi51481 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

```
<400> 8675
tttttttttt ttcaattata aattttattt aagaatactg acttaacaca ggaaacagat     60
ttaattcatg gaattgtgca tatggtcatc cgttacattg tgacatgtta attttttttt    120
atcatttatt ggcactgtca acagattact tgtgaacaag atcactttgt acgcttaagt    180
ctgcgatgct acttagctat ggttttctac catgagctta tatatagata ggtgtaggta    240
tgtagataca ttaatgctat acacaatttt gcatggttac tgagcgtcag taaaaattat    300
gaaaaaacac ccatttataa taaaagtgag gatgtactaa gacttgctat tactggacct    360
```

7254

```
tgttttctgt aaaagtgatg acacttgctg gacggttact aaactctatg gcactaatgt      420
atgatggatt catttccaga ctgtcggcca cggaagcact tcttcatggc ctctgccctg      480
gacagcagcc tgtcctccgg gctccccatg ttttaccag cttctgctga gtttctacaa       540
tcttgagctc tgctgagaat tcttttcctt gaaattcttc tacctaaagc cccagccccc      600
aaaagagcat gtctcaggaa ctcattatgc cctgagtcaa caagaacttg ttgataaatg      660
gcttaaaagt ttttacaaga agtaacttcc cttggtaagg agtaaataat agctctggaa      720
ttttccagat aaaactattt catttctctg tcagtgcccc atggggagag aacgaaatat      780
tggagcccct ctccctacca aagagagcca cttttctggt tgtgccctgg cttaaaaccc      840
tttggtctcc gagaaccata ctgaatattt gcacccaatg ctaaagtttt caggagaaag      900
catacttaag ccaataaatg aataatggtt tggtttgcat tttgcttgct tgttaaataa      960
ggccttattg aaccttggga tgctgcctgt ggaaactggc ttccccagtg aaagatgtga     1020
tgccatgaac tgatatgcct ttgcatatgc tgttccctct ctgcaacacc ctctcgtgcc     1080
```

<210> 8676
<211> 2702
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1457)...(2441)
<223> similar to gi|196425 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

```
     <400> 8676
aatcgatatt catgtgcgtg tggcggaatt ctatccagag tcaggtgtca ctactcaata       60
cacttggacc cagcttcccc aaaggttcaa gaactccccc accatctttg gggaggcgtt      120
ggctcgagac ctccagaagt ttcccaccag agacctaggc tgcgtgttgc tccagtacgt      180
tgatgacctt ttgctgggac accccacggc agtcgggtgc gccaagggaa cagatgctct      240
actccggcac ctggaggact gtgggtataa ggtgtccaag aaaaaaagct cagatctgcc      300
gatagcaggg cacttcaact cagaaagctg aactcaatgc tttcatttgg gccttagaac      360
tcagtgaggg tgagactgtc aacacttaca ctgattctcg gtatgtcttt ttaacccttc      420
aagtgcatgg agtgtgatag aaagaaaagg gcctattgaa ttctgggggg aaagacagaa      480
aatatccaca agaaatcttg caatgattaa aagcagtatg gagaccccac aaggtggcag      540
ttatgcattg cagaggacac cagcgagctt ccaccttggt gggtttaggg aattcccgtg      600
ctgactcaga ggctcgaaaa gcaccatctg ccccattccg ggcatcagtc acagcccccc      660
tgctccctca agcacctgat cttgtaccta cttattctaa agaagaaat gactttctcc       720
aggcaaaggg aggacaagt atggaggaag gatgaattcg gttaccggat gggagagtag       780
ctgtgccaca gctgctagga gctgcaattg tactggctgt gcatgaaacc acccatcgag      840
gtcaggaatt acttgaaaag ttgttaggct ggtatttcta catctcacat ttgtcaggcc      900
ttgccaaaat ggtgacgcag tggtgtgtta cctgccgaca gcataatgcg aggcaaggtc      960
cagccgttcc acccggcata caagcttatg gagcagcccc ctttgaagat ctccaggtgg     1020
acttcacaga gatgtcaaag tgtagaggtg atcgagtgtg gatcaagaac tggaacgtag     1080
cctctttgtg tccactgtgg aaaggacccc agactgtcgt tctgagcact cccaccgctg     1140
tgaaggtaga aggaatccca gcctggatcc accacagcca tgtaaaacct gcagcgcctg     1200
aaacctggga ggcaagacca agcccagaca accctgcag agtgaccctg aagaagacga      1260
caagccctgc tccagtcaca cccggaagct gactggtcca cgcacggccg aagcctgagg     1320
aagctcatca tgagattcat ttttcttaaa ttttggactt atacagtaag ggcttcaact     1380
gatcttactc aaactgggga ctgttcccag tgtattcatc aggtcaccga agttaggaca     1440
gcaaattaaa acaatctttc tgttctatag ttattatgaa tgtatggaaa caataagaga     1500
```

7255

```
aacttgtttg tataacgcca ctcagtacaa ggtatgtagc ccaagaaatg accgacctga   1560
tgtgtgttat aacccatctg agccccctgc aaccaccatt tttgaaacaa gattaagaac   1620
tagcctttc ctaggtgaca caagtaaaat aataactaga acagaagaaa aaggaatccc    1680
caaacaaata attttaagat ttgatgcttg tgcagccatt aatagtaaca aactaggaac   1740
agaatgtggt tctcttaact gggaaaggag ctacagcgta gaaaataaat atgtttgtca   1800
tgagtcaggg gtttgtaaaa attgtgccta ttggccatgt gttatttggg ctacttaaaa   1860
aaagaacaaa aaggaaccgg tttatcttca gaaggggggaa gccatcccct cctgtgctgc   1920
cagtcactgt aacccactag aactaataat taccaatccc ctagatcccc attggaaaaa   1980
gggagaatgt gtaaccctgg ggaccaaagg gacagggtta aaccccccaag ttgccatttt   2040
agttcaaggg gaggtcccac agcaactctc ccaaaccagt gtttcaaacc ttttatgagg   2100
agttaaatct gccagcacca gaacttctga aaaagataaa aaatttgttt ctccaattag   2160
cagaaaatgt agctcattcc cttaatgtta cttcttgtta tatatgcggg ggaaccacta   2220
tcagagaccg atggccttgg gaagcctgag agttggtgcc cactgatcca gctcctgata   2280
taatgggggc ttgtccagga tctcatcagg actggatggc tctcgctgga ctatactgga   2340
tatgtgggca gagagcctac attcagttac ctaatgaatg ggcagacagt tgtgttattg   2400
gcactattaa gccatccttt ttcttattac cgataaaaac tactggtact atctgtaaat   2460
tccagacatt gtatgagaaa gcactgtaaa actttttgtt ctgttagctg atatatgtag   2520
cctccagtca cattcctcat gcttacttga tctatcatga cccttttcacg tggacccctt   2580
agagttgtaa gcccttaaaa gggctaggaa tttctttttg ggggagcttg gcatcttaag   2640
acatgagtct gacaatgcta ccggccaaat aaaaacatat aacttcttta aaaaaaaaac   2700
                                                                    2702
aa
```

<210> 8677
<211> 628
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (26)...(628)
<223> similar to gi57718 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8677
```
taaatgacag atgatacctt gggttgggag gggtcctgga agtggactct tccacagtgg    60
catcaggggt aggggtcaca gtggtggtta ggaccagagc tgaggtcaca gagctcctgg   120
aggcaagatt aaggacaaag agtggctccc catcaccaag ttgggccatc tggtcaagga   180
catgaagatc aagtccctgg aggagatctg cctcttctct gtgcatcaag gaccaggttc   240
aaggcatttg tcaccattga ggactacaac ggctatgttg gtctgggtgt tagtgctcca   300
aggaggtagc cagcaccatc catggggcta taatcatggt caagctcttt atcctccctg   360
tgtgaggaga ctactggggg aacaagatta gcaagcctca cactcacact acctaccctt   420
gcaaggtgac tggcagcctg catctctgtg ctggtggcct catccctgcc tccaggggcg   480
ttggtactgt cttggcccct gtgcccagga acctgctgct gatggtggtt acccaccact   540
gctgcacttt gactggggac tgcgctgcta ccctggccaa ttttgccaag ggacctttga   600
                                                                    628
tgccatctcc aagacctaca gctatttc
```

<210> 8678
<211> 375
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (44)...(357)
<223> similar to gi1335198 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8678
actggatcca gtagcatatt aaaaggatta tccaccacta ccaagtgggc tttagcctaa   60
gaatacaatg gtggttcaac acatgaaaat caatgtaata caatgtaatc atattaatag   120
aatgaagggg aaaaatccca gaatgatttc aattcatgca gaaaaagcat ctgaaaaaat   180
agtaataatc ttttaagata aaaacactca acaaatgagg aaaggaaggg aacttcttca   240
aaatgataaa ggacatatat gataaagcgc acagctaaca tcttactcaa cagtaaatga   300
ctgtttactg actgaaagtt ttcccgctac gatcatgcat gagacaagaa tgctgctctc   360
                                                                        375
actacttccg ttcag

<210> 8679
<211> 1293
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (294)...(1293)
<223> similar to gi456886 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8679
gtattttgga aaaatggtaa agaagtgcag agtcaagtca tagcgactaa taatgggtta   60
ttttcttaaa ttgtatgctt atgttaattc tcacagtctt tttgtttggg tctgtgacag   120
atcttacaaa agatctttta gacctatgat tcttaacaaa attaaagaat taagtcggaa   180
ccaatttccc acaatgtctc atctaagaaa ggactcacag gccagcagcc caggagatga   240
cgcaatggac aggagtgggc tccctgacct tcaaggaaga tttgagctat ctgggaaaaa   300
caagacagta tccactggat gcattggaac cccaacccca gcattgggga tattaaggac   360
attaaaaaag cagccaagtc tatgctagac ccagcacata aatctcattt ccaccctgtg   420
accccaagtt tagtattctt gtgtttcata tttgatgggt tacaccaggc attactgagt   480
gttggtgtga gcaagaggtc taatactgtg gttgggaatg agaacgagga aaggggtact   540
ccttatgcta gcagattcaa agatatgcct aactttattg cccttgagaa gtcatcagtt   600
ctccgccact gctgtgacct tttgataggc gttgcggctg gatcaagtga taagatttgc   660
accagcagtc tccaagttca gagacgattc aaggcaatga tggcatctat tggaagactt   720
tcacatggtg agagtgctga tctgctaatc agctgcaatg cagaatcagc cataggttgg   780
atcagctcaa gaccgtgggt tggagaatta atgttcacat ttctatttgg agactttgaa   840
tcccctctac acaagctacg caagtcaagt tagttgccaa gaaagcacag atgacaacct   900

```
attaatgctg tgagaatgtt tctagatcag tgcatggatg gctccattgc tctacgggcc      960
attgtgtctg agatcccagt ctttgaggag aaaaaaaaca atggttaaaa aggcattggg     1020
gaaatatttt gagtttgggg gtgtactttg ccaccccatt attgggggagc tgtcaccacg     1080
aatgttccca aacttagcaa cagcggcaaa ctactgggcc aagatgagca accccacatt     1140
tttgggattt aaagctcctg atgttatacc aggatcaacc atcacactcc ctttgcttcg     1200
aatggcatct accccgtaag atcttgaggg gggagtgttg ggtggaatca tagatccatg     1260
cactcctaac atgaactaat tctcattatt taa                                  1293
```

```
        <210> 8680
        <211> 383
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (132)...(385)
        <223> similar to gi501027 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

```
        <400> 8680
gaggaaggag aacagtggtg gggctgggtg aaggaaggtt ccagaaagga acagtgaggg       60
gactgagtgg gacaaagggg cagattgaag ggtgactgag actgatcagg tggttcctca      120
gaaatggtgg ttgttgtaga aggctggcgg tcccggggt tgtgtttcta ttcattcttt      180
gttttttaagg taagttctcg ctcttcttgc tagtttagt gtgttttttgt gctttaatgt      240
ttgtttttaat gttatgtttt ttattgggtt gtgctcttct tttttttctcc ggtatatttat      300
tttgatgtgt ttgtattgtt ttaggtgtat ttgtgctact gttgtctgtt acttctgtgt      360
gtttttttggt tgctgtattc tct                                             383
```

```
        <210> 8681
        <211> 1002
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (166)...(1002)
        <223> similar to gi220525 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

```
        <400> 8681
tttcgtctgt aactgctcct cactgcgtta cccagtaatg cgctgatcgg gggaggggggc       60
gggggggccg gggagcgagc gggagagcga gccgacttgg aaatgtgaac gcaagaagca      120
ggcttgattt tttttttctcc ccccttctct ctctctctct ctctctctct tcctctctcc      180
```

```
ctctttctcc tctctcaccc acactcacgc acacctccaa accgcacacc cagacgcaca    240
cgcatacccc agcgcccggc agttatgtat tctccgctct gtctcaccca ggatgaattt    300
catcctttca tcgaagcact tctgccccac gtccgagcct ttgcctacac atggttcaac    360
ctgcaggccc gaaaacgaaa atacttcaaa aaacatgaaa agcgtatgtc aaaagaagaa    420
gagagagccg tgaaggatga attgctaagt gaaaaaccag aggtcaagca gaagtgggca    480
tctcgacttc tggcaaagtt gcggaaagat atccgacccg aatatcgaga ggattttgtt    540
cttacagtta caggaaaaa acctccatgt tgtgttcttt ccaacccaga ccagaaaggc    600
aagatgcgaa gaattgactg cctccgccag gcagataaag tctggaggtt ggaccttgtt    660
atggtgattt tgtttaaagg tattccgctg gaaagtactg atggcgagcg ccttgtaaag    720
tccccacaat gctctaatcc agggctctgt gtccaacccc atcacatagg ggtttctgtt    780
aaggaactcg atttatattt ggcatacttt gtgcatgcag cagattcaag tcaatctgaa    840
agtcccagcc aggccaagtg acgctgacat taaggaccag ccagaaaatg ggacatttgg    900
ggcttccagg gacagttttg tcacattcag gtgtttttta gtgtcacttg agcttagtta    960
agagtgtcac agacccccat cgccgccgga ccggccccaa ct                      1002
```


<210> 8682
<211> 3395
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1575)...(47)
<223> similar to gi4960163 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 8682
```
agaattcaga aggcctgtca ggtgaagtct tcagcctccc acagcgcagg gtcccagcat     60
ctccacgcgc gcccgtggga ggtgggtccg gccggagagg cctcccgcgg acgccgtctc    120
tccagaactc cgcttccaag agggagcctt tggctgcttt ctctccttaa acttagatca    180
aatttttttgg tttttaatca gttatcttgg gaacttaacc tggcccctca cctcttctgc    240
acccccccgcc cccgaaactg tctcgtaatg aatttctgct gtcctcctgg gagtggacgg    300
ccgggtcccg tcccccggga gcatcgctcg gctcagcacc ttggctccca gtgggggccc    360
cgtggagggc gcccgtagtg ataagcacac cggcacgaac gtcaggtcca ttcctcgaag    420
tcggagccct cactctgccc tgtcctgggg ctggctgagg gcgaacgccc cacctcactt    480
tctagagccc tgtctgtcct agctcctatc tgaccttgtg tgtaaatacg tacatctgtt    540
tttaaagtgg atgggccct gagaactcag tgaaatgcag agttctccat gcacctaaag    600
ctcctttgtc gctctcatgg ctgtcagatc ctggtccctc cacactgggt gctggggagg    660
gaggaccctc ggggctaccg cgcgcccccc catcccacag atcaggagcc aaggagggag    720
aacagggcag cctgtgggac tctaggatgc ttcagaagaa gcgacggcac cgtcaaccct    780
ctgtttttta aaggtggttg gagactgtta acactgagct cattgacttc tagagatttt    840
atttttactg gttgatctct tggtggtttt caacttcctg ctggaaacta gaggtggggc    900
acccccccacc ccccagcctc gcactgtgtc cttggggagg gcccgccccc atcctggccg    960
gtgtcactgt ggcccggcca ccccctgagcg cccagctccc tacctcctgg acgtctctga   1020
gagtccaggc agagcagagg gcagcgctcg gccggtcatg ctggctccct tggccttgca   1080
gcgagcccct ggcccacgcc gagcgaggga tgcttctccc tacagcatgt ccactccccc   1140
ggcatggcca ggtggggccc ctggggcaat ggcagtggta gaacgctcaa cttggttgcg   1200
gtaccatcag cccacctgca tttggctttc gacttgcttg ttctaagtca cagcgccctc   1260
attttttttag caaggtaaaa aaaccaaaat gggtgttatc tctgatatct tgaaaccagc   1320
gttctgaata gaggtaggtt gagttttcta ggggaaaaca aatggagaaa agaggcatga   1380
```

```
agaaaagtaa accgagaaca taattaggca tcgggcctaa gtgtcctggg gagattggag      1440
gggacggcag cgttctgcat gatggaggcg ctgccgggcc ccgggtctgt gggggccgtg      1500
ctctcagggc gtgtgcggga cgccacctgt gcacacctgc tcagagcacg gctcctcgca      1560
ggggtgaagg ggcagaccaa cgaaaccaga tgagaccaac gacaccatgc gagacacgct      1620
tgcagacact gttgttttgg aaatgtgctt ccctccatct gaaatctcat ccctccaccc      1680
gcccactcgg gcagctgtgc tgtgggcagg gcatgcgctc ccctggctga gcaccccaga      1740
gattctcctg caccttcctc atgccgcacg ctgctcatcc gtctccatgt gtgtttagat      1800
ccatgccatt cactgactca ctaacacctg caaaatcttt aaggaaaaaa gctgaagggt      1860
acgaccatgc acatatgtga cctggaaaat gcaaatttag atcttttatg atttaattgt      1920
tatttggttt tccccatagg gaggtttccc ttccctttgg aaattaatat ataatgtata      1980
aattctggca ctgagccatg gcggagctgg gcagcccta ggttagagtg gagacggagg      2040
cccaggcgca ggggtcacac ctcatctggt ttccttccca tctcacagct tagcttgtgc      2100
ttctcaacac caagtcttta agagcaataa aaactacacc atgaaatgtt tgaatttttt      2160
ttttttgggg ggggagggt ggattttgct tttcatccag aaggaaaagg ggaggagagc      2220
tcctttacat tttttaaatt aaattcataa atcccagctt aggcccaggc aacagcagcg      2280
tacgcttttc aaagatcatt gagttgtctt agaatttgaa gctgtgtaat gacaatgtca      2340
cctggagttc gtctccattt cttaactttt tgttgcacaa gtatttggac agaagtcgaa      2400
ctgtgaatga gatactgaaa tgcactaaat tgtattacat taaactggag ttacttgata      2460
caatgaagaa atgcatctga tctacttgta tttattgtct cagaattgta cgttgtgaca      2520
atcaaatgtt acttgcctaa atgccaggaa attcaactgg ccttttaatc agcaagatcg      2580
ccagcaagta ctgtaactgt aaaggaaaat ctctctctct ggagaaccca cacaaaccat      2640
tgacctgagt gcgcatgaca gccactggct tcttttcta tgattgaaaa tctgccatcg      2700
ctgactgttg gccagtttca aagggaccca ttgtatacag ggtgcaaatg tattatacgg      2760
atgtttcctt ttgtacactt catttttaca agttttgcta ctcacaagct ttatgtagtg      2820
gaggatagag gtatttttgg tctttagaag cttgtcgggg tgagggctgc taacttacac      2880
ttcagaggcc tgtgtcccaa aggcctggct gcgtttgccg tgctgtgcga ggacctgtgt      2940
acacaggcag gtgtgcgcct gcccgagcgc gagtagctct tgtgtagtgg tgaaatgctg      3000
caggcatctg tttattaaaa ttgctgctgt gaaagacagg gataaaatat ccacaatata      3060
agagaaagcg actccgtgcc tccttctgtt tcttcgtttc cagtctgcat agatgtctcc      3120
aaggggaaac caggccacc aggcactcct gtcccatggg gccacccacc ttcagagccc      3180
actcccacgg gctctgtttc cttggaggcc atcctgccga tggcacttttt caaggccctc      3240
ccttccctac gagttgcttt ctgggagggg aaattgaaaa ggagagcggt cacctggcaa      3300
aaacacaggg gaaatcagcc agtccacaaa aatacgcaaa atgacctgat gatgtccaaa      3360
aaagggtttt aaaagcgatc aaggacaaaa gggtt                                 3395
```


<210> 8683
<211> 1056
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (759)...(1052)
<223> similar to gi5816699 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8683
```
ttttttttttt ttggagagaa ggataagcca tttattaacc ccacgcccct agcaccagct       60
gtcaccttgg acttgttgga gatgcagggg ctagaaagga aatgacagag tgtacaggcc      120
ccttcgaccc cgtgtcccat aggtggtggc ccccagacac accctctctg ctggcagtgc      180
```

```
agaacatgca tcccaatacc ctagaggaga aacaccaccc cagggagagc cctttctgct    240
ccaacctcct gggcaggtcc caggttgggg cagcagccat ctgcaggtgt ttgtcaggcc    300
tggccacaca tgcggacaga ggatacgact ggggtaccct agggtgtggg gagggtcggc    360
ctggggtcag ggggcatgaa ggctgtgttc cagactcctc ctgcccccaa tcctctgtgc    420
ccctgctgga gctctcctag cttctctgat ctgtgctcct gtctttgggg agctgcccgg    480
tctccaggaa gagccagagg ttgttgcatt tctccgactc cactctcgtc accccgtagc    540
tgaccacaga gcctgcaacc acggccacta ggaggctcca ctgcaaaggg tatggaaact    600
tcctctgaat gaacatctgc aagccaaagg ccatgccggt gcctgtgacg aaggtgaaaa    660
cgcccttcat gaaggcgtgt gactggcatg cggcatactc cccgagtccc tggggtggca    720
gaggcgggtg aaggctcgat cccctgccct cttccttcac cgcctctcct gtccctcctc    780
tgggcacacc ctggctgtgg aggagtgaga ccctgggcgc ttggacacgt cccacctccc    840
ctatgcccac ccggacgccc tgagcccctt agcaagagag tgcccccagc ctccgccact    900
cttccctgac gagggcaccc ccacgccccg gccccccgcc tcgctcaggt cagcttctgg    960
ggtttgaggc ccgcgtccca gaccggcctt ctcaccgggt gcttggcagc cacggcgtcc   1020
tccacccggg acagacccaa gttcaccatg gttggc                              1056
```

<210> 8684
<211> 407
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (111)...(407)
<223> similar to gi5870129 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8684
```
tcgtgagttg gagccactta gggcggagaa ggcctgggcc gaggccgctc ggcctgggcg     60
ggagagaccg ggaccttggc ggttaggctt ggcatggggt cgaggaaaag acggtggtca    120
agagcagcat gatgctgcag catattgatt acaggatgat gtgcattctg catgacggcc    180
gtatctttat tggcaccttt aaggcttttg acaagcacat gaatttgatc ctctgtgact    240
gcgatgagtt cagaatgatc aagccctaga acttcaaaca agcataaagg gaatgagaag    300
cgagtcctcg gtctggtgct gctgcgaggg gtgaatctgg tctcaatgac agtagaggga    360
ccttctccca aagatactgg gattgctcga gtttcacttg ctggagc                  407
```


<210> 8685
<211> 1869
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (652)...(1849)
<223> similar to gi1334643 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8685

```
tttttttttt ttatgacaaa agtgtttaat gctccataat gtgcagcttc taagtgaaaa    60
aggcccgtta atcatccacg ggccgtacat tctcatgaca gagcagccgc cctcctcggc   120
cccccaagag ggaggcatag gcagggagtg ggccctgtga ggcacggtcc tgagtgtgcc   180
cgccaggaac gcacacgtgt tagtgcccac atgaaacagg ggtggggcgt gacatttaca   240
caggagagaa ccacagacac ccatgtgagg agacacgagg ggcacaggtg accatgggcc   300
agggaacacc ccagtccatg catggctgaa tccacgagga gcgcgagctg gatggtggga   360
gtcacgcggt aacgggctca ggtctcctag gagcagaaca ggcccaggtc ctcaggagac   420
ctcgtgccca gggcagcggg acagacctga gcctgcccat gagaacttga gtgtgcaaac   480
ctgcgcacag gtgtgagaac agactccagg gagagtgttt aaggagaaga cacagacaca   540
cataagaccc acttagtggg gaatttggga daccccaggg aaaggtgggg aggcccagag   600
cagcaagtag aggggagtgg gcactctgtc ccgggactcc cataggctcg gcagggccag   660
agacagcctt gggggtgaga ggccagagcc aagggccctg catctgagag tccaagggtc   720
taggaaggct cagggtggga gggcccagct tcaccataga caccagggtc cacgctggct   780
tggggagaag gtgcaggtat cagatgagcc tcaggcctca ctgctgctgg ggcagcctct   840
gctgctgccg cactccaccc acacgaggcg ggcctgctcc tgcaggatgc ggccgcgcac   900
caccttggcc agctcctctg cgtgtcccca ctcatgggcg ggcacctgca cccaggagca   960
gggcagcccc cagagcacct gctctgagcc acggcactgc cgcagcagct ctgagtcccg  1020
ccagcccggc cggcccagca gacccctgac ttcccggaca ttcttctcag tcacctccac  1080
gtggatgacg atggggtaga tctcgttctg caccagctcc cgcacacccc gagcacccag  1140
ctccagcagg cagtgcttct gcttcccaac agactcctgg atggcccgga.tcctgctgcc  1200
tagcccaggg gtggcaggct gagcctttgg gggctccagg cgctgaggat gggcacagtt  1260
cctccccaga gaggctttcc gctgggcaca cttggaagtc cagccgggag ctgggcaggt  1320
ctagcaggtt acggatgagc cggggcgcca ggcactcagg caacagcacc acgggccgca  1380
gggcagacac cagtagcggc cgcaccaaac tgtagggtct gaggctccgc tccggctctg  1440
cacagggctc cagcagcagc tgatccgggg agtcccctgc aggcgccccc acgggcttgg  1500
gcctcaccag ccgcagctgg tccagggctc tcttcttcag attactgcgg gggcctcggt  1560
gccggctgga gggcaggcat ttctcctgaa cttctaggag ctgctgggct ctctgataat  1620
tgggcacggt gccccggtcc aggtcccgca gagtgagggg gtcaacccgg gtgcagaacc  1680
attcctgcct ccgcttgtat gccgagtcca ccagtcgaag gatctcttgg gctttcacgc  1740
aaagggcatg gggatctgcc ctctcaggca aggtgaggtt ggcacgaatg tagaagggct  1800
cggcacctgg tccctttgcc caggcttcta gggcctcgtg gaaggactgg caggccttcg  1860
agtccatca                                                         1869
```

<210> 8686
<211> 1245
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (183)...(736)
<223> similar to gi3005599 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8686

```
cctgcctctg gtcggttcct ggcgctctgc gtttcgtgac cttgtccagt agaaggctat      60
ttaattttca caactgcttg aattttgaca tacaagatga agcaagatgc ctcaagaaat     120
gctgcctaca ctgtggattg tgaagattat gtgcatgtgg tagaatttaa tccctttgag     180
aatggggatt caggaaacct aattgcatat ggtggcaata attatgtggt cattggcacg     240
tgtacgtttc aggaagaaga agcagacgtt gaaggcattc agtataaaac acttcgaaca     300
tttcaccatg gagtcagggt tgatggcata gcttggagcc cagagactag acttgattca     360
ttgcctccag taatcaaatt ttgtacttca gctgctgata tgaaaattag attatttact     420
tcagatcttc aggataaaaa tgaatataag gttttagagg gccataccga tttcattaat     480
ggtttggtgt ttgatcccaa agaaggccaa gaaattgcaa gtgtgagtga cgatcacacc     540
tgcaggattt ggaacttgga aggagtgcaa acagctcatt ttgttcttca ttctcctggc     600
atgagtgtgt gctggcatcc tgaggagact tttaagctaa tggttgcaga gaagaatgga     660
acaatccggt tttatgatct tttggcccaa caggctattt tatctcttga atcagaacaa     720
gtgccattaa tgtcagcaca ctggtgctta aaaaacacct tcaaagttgg agccgttgca     780
ggaaatgatt ggttaatttg ggatattact cggtccagtt atcctcaaaa taagagacct     840
gttcacatgg atcgagcctg cttattcagg tggtccacaa ttagtgaaaa tctgtttgca     900
accactggtt atcctggcaa aatggcaagc cagtttcaaa ttcatcattt aggacaccct     960
cagcccatcc tcatgggttc tgtagccgtt ggatctggac tgtcctggca tcgaactctc    1020
cctctgtgtg taattggagg agaccacaag ctgttgtttt gggtgactga agtataaagt    1080
gttttctgta ccttacattc acaaactttg tattttagt acatattttg aagaatttct    1140
atagtacata ttttgaagaa tttttatatc aaatataccg tatactttag aaaatgtctc    1200
agttgctttt attaaataaa atgttgatgg tttgaaaaat taatt                    1245
```

```
<400> 8687
cacacatttg atcattcaga ggataaaatg aacaatttct tgaaagacac aaaccaccaa      60
aactcagtca tggagaaatg actgatgtga acaggcttac atgtattaaa taaattgaat     120
cattaataac ttcccagaat agaaaacatc aggatgaggg tttcacactg gtgaattctg     180
gcaaacattt acggacaaaa cgatactagt attctaccat ctcttccaga aaacaaacag     240
tggggatact tcttaactca atctttgagg ccagcacttc cccaatacca aaattaaata     300
aagacatcat aagaaaggaa aattacagac taatatgtct catgaacatg aatacaaaaa     360
tcctcaacaa aacattatca aatc                                            384
```

<220>
<221> misc_feature
<222> (250)...(356)
<223> similar to gi4379026 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8688
cttttgatatc agagtaatgc tgccttcata aaacgagttg ggaagtgttt cttcctcttc   60
tttttctgga agaatttgag aaggtttgat gctaattctt ctttaaatga ttggtggtat   120
tcaacagaga agccatctgg ttggactttt cttagttggg aaatttttga ttcatggttc   180
aatctcttta cttgttatag gtctggtgag aatgttaatt tcttcttgag tcagtttagg   240
taatttcagt atttttagga acttgttcat ttcatctgag ttatctgatt tgttgtcaca   300
caattgttaa tatttttata atgcatttta tttctctaaa gtcaacagta atgtaccca   359

<210> 8689
<211> 368
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (133)...(371)
<223> similar to gi2981631 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8689
gcaaatgttt aaaacttaag cacaaatgag taggagaaag gtacaactac agaaaaccac   60
caaaacacaa tgccaatcaa gaaaagagaa aggagcaaaa aatatagaaa agaaccaaaa   120
acaattgact atatgacagc atcaaaatgt tatatattaa taaccaccta gaatataaat   180
gaattaaact cttcacttaa tagatataga ctcactgaat gaattaaaaa aatgacttaa   240
ctatttgctg tctacaagaa atgtacttta cctgtaaaga cacatataga atgaaagtaa   300
agggaatgga aaaagtctac tcaaatggaa actaaaagga agccagagta gctgtgctta   360
catcagat   368

<210> 8690
<211> 820
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (421)...(723)

7264

<223> similar to gi5824553 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8690
accgctgagg acgcggaccc gccatggcgc ggaagaaggt gcgtccgcgg ctgatcgcgg   60
agctggcccg ccgcgtgcgc gccctgcggg agcaactgaa caggccgcgc gactcccagc   120
tctacgcggt ggactacgag accttgacgc ggccgttctc tggacgccgg ctgccggtcc   180
gggcctgggc cgacgtgcgc cgcgagagcc gcctcttgca gctgctcggc cgcctcccgc   240
tcttcggcct gggccgcctg gtcacgcgca agtcctggct gtggcagcac gacgagccgt   300
gctactggcg cctcacgcgg gtgcggcccg actacacggc gcaagtgcgt gcaccccgtc   360
cgcaccccga ccctgcagcc ggctggtctc cccgcctccc ctcctccctg caggtttgcg   420
tggctgaggc tcccacctcc tgacctcggg ggccgagagc tttgcgagct gaccccgctt   480
gcttatggct ttgcacaact tggaccacgg gaaggcctgg ggcatcctga ccttcaaagg   540
gaagactgag agcgaggcgc gggagatcga acacgtcatg taccatgact ggcggctggt   600
gcccaagcac gaggaggagg ccttcaccgc gttcacgccg gcgccggaag acagcctggc   660
ctccgtgccg tacccgcctc tcctccgggc catgattatc gcagaacgac agaaaaatgg   720
agacacaagc accgaggagc ccatgctgaa tgtgcagagg atacgcatgg aaccctggga   780
ttaccctgca aaacaggaag acaaaggaag ggccaagggc   820

<210> 8691
<211> 2077
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1086)...(1976)
<223> similar to gi1911490 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8691
tagacctgaa cgcttccttg ggttctggga ggatggttga ggtcttctgc tgatctctga   60
ttttctgggt cttgtgtgcc tcccagaacg tgtgggctgt gttggatctc tacgggccag   120
tccggtgttg tgtcaattgt cagttccacg agactggagg agtcagaagg cacccagcct   180
ccttccccca gttcagacac cggcagtgag ggcgaggagg atgacgaggg cgaggagcat   240
ggcctgggag gccagaatga agtgggtatt atacccacca ccctcgagtt cctggagaac   300
catgggaaga atatcctttt gtctaatggg aaccgtacgg tcacacgggt ggccagctac   360
aatcagggca tcgttgtcat caaccaacct ctggtgcccc agctgctggt gcaggtgcgg   420
atagatttcc taaaccgaca gtggacatct tcccttgtcc tgggagtcat cacctgcgcg   480
cctgagaggc tcaacttccc tgcttctgcc tgtgccctca acgggcagc ctggctgctg   540
cggggccgtg gggtcttcca caacggtctc aagatctgcg agaagtttgg gcccaatctg   600
gacacgtgcc ctgaaggcac catcctggga ctgcggctgg acagctctgg ggggctgcat   660
cttcatgtta atggggtgga ccagggggta gctgtgccag atgtgcccca gccctgccat   720
gcgcttgtgg acctctatgg gcagtgtgag caggtgacaa tcgtgaaccc tgagccaggg   780
gctgccagtg ggaaaagtgc tggaacccaa ggggacatgg agaaagcaga catggtggac   840
ggtatcaaag agagtgtgtg ctgggggtcca ccacctgccg ctagtcctct aaagagctgc   900
gagtaccatg cccttttgctc tcgcttccaa gaactcctgc tgcttcctga agattatttc   960

```
atgcctccgc caaagcgaag cctgtgctac tgtgagtctt gccggaagct gcgaggagac   1020
gaggcccaca ggcgcagagg ggagcctccc cgggaatatg cactgccctt tggctggtgc   1080
aggttcaacc tcagagtgaa tccccgcctg gaggctggga cactaaccaa gaagtggcac   1140
atggcatatc acgggagcaa tgttgccgct gtacggagag tgctggaccg aggggagctg   1200
ggagcaggta ctgcctccat cctgagctgc cgtcctttga agggagaacc tggggtaggg   1260
ttcgaggagc ctggcaagaa ctgtgcacct cctcgggagg agcagccccc tcctgtgctg   1320
ctttccccct cccttcaata tgctgggggcg gagaccctgg cctccaaagt gcaattccgg   1380
gaccccaaat cccagcggac gcaccaggct caggtggcgt tccaggtgtg tgtgcgccct   1440
ggctcctaca ccccgggacc cccttccgct gcccttggag aacctcctga ccctcacttc   1500
agtccagccg aacttgagtg ggtcactaag gagaagggggg ccacactcct ctgtgccctg   1560
ctggtacggg tggaatgagg ggtgagacac cactactaca agcacagtcg ggccgcgggc   1620
ccatggactc tgagtggcga ctgcctccac ctcattcccg tgactcgtgg catgcgcagg   1680
tgctggagct tggcagccgc gcaggagcat gtaggcaggc tctcagatgt aggtggcaag   1740
tggcacagct ccatgtccgg aggcccagca ctccgtctga tgggaggagc cgtgggagcc   1800
cagctccagg ccctggtacc cctcttcatg cactgatttg gggaacatga ctcccttta   1860
ctcccctacc ccacatcact taatttattt ccgttttttgt ttctggttac tgtgaatccc   1920
agaggagtct ctccctgtgc ccacatgaag ctgctttttc cggggccacc gggcgggagt   1980
ggggaagggt gggcgcacgg aagatggggg cctctgtaca gttgttactg actctgattt   2040
                                                                   2077
ctaaggagcc aataaacacc gtctcagaaa aaaaaaa
```

```
<210> 8692
<211> 2122
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(2123)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (2095)...(2122)
<223> similar to gi451544 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 8692
ggttgtgcgc gcaaagccgc gcggggctga gggtcttgtt ctgccggcgc ctgtccggac    60
ccgggcccct ctccgctttc ggccggcctc gggcaccggg cttctggagc tcccggagcc   120
ctgcctgttc cctgaccatc caggccagca gctgaaggag cctcacctgc ctcccttctc   180
tgagtagcac ggatttgagg agaagcagcg aagatgtcca gcgagcctcc ccctccttat   240
cctgggggcc ccacagcccc acttctggaa gagaaaagtg gagccccgcc caccccaggc   300
cgttcctccc cagctgtgat gcagccccct ccaggcatgc cactgccccc tgcggacatt   360
ggcccccccac cctatgagcc gccgggtcac ccaatgcccc agcctggctt catcccacca   420
cacatgagtg cagatggcac ctacatgcct ccgggtttct accctcctcc aggcccccac   480
ccacccatgg gctactaccc cccagggccc tacacgccag ggccctaccc tggccctggg   540
ggccacacag ccacagtcct ggtcccttca ggagctgcca ccacggtgac agtgctgcag   600
ggagagatct ttgagggagc gcctgtgcag acggtgtgtc cccactgcca gcaggccatc   660
accaccaaga tctcctacga gattggcttg atgaatttcg tgctgggttt cttctgttgc   720
ttcatgggat gtgatctggg ctgctgcctg natcccctga cctcatcaat gaacttcaag   780
```

```
gaatgtgaac gcacacatgc cccagctgca aagcctacat ctacacgtac aagcgcctgt     840
gctaacggag ctgggactcg ggactccccc gcctgtcagt ctggcccect gtgctttgct     900
ccctgcgctc agtggtcact ttcccgctcc cacttggggc tgggagccgt gccaccatcc     960
cctagaagtc ctgtcctctt caccctgccc tacctgagcc gctgactctt ctggcaaaaa    1020
ttctgttggg atttaaggcc aagggtcagt gggtggcagg gggctggcaa tgagcttgtg    1080
tgttgttggt ctgcttggtg tgtgtgatcg ggaagataag ctgggagggg tctcctgctg    1140
gggtcctgat gcctctgttt ccaaacaagg tacaggttca gtccagactc tttccccctg    1200
ggaccaacag cagccagagc agttagccag ttagtcccca ggcctgtggc cacaggcgtt    1260
tctgacctgc tgggccgaga atgggtaagt tgtctggagt caggtgggcc cacgtaggac    1320
agggtcacaa agcctgggtt tgtttctggg tactttgcgc ctttggggtg ctagaggtgg    1380
ggcatggtgg ctggaagtaa aactgccaac tctggccctc agaactctca ggtatagaag    1440
cccaggatgt ctaataccct gtcccagtgc ccgagagctg cctggtgtca ggtagagagg    1500
acactgtacc tgggtgaatg atcagaccct ggtagctaag aaggaacttg tccctttgag    1560
tcagtgtgca gaccccttt caggccatgc ctctgtgaac cctgtattgc tggggccgga    1620
aggagcccct gagcctagcc ccttcccgtc tgccctgtgt cctcactgcg tgtgggtatg    1680
acctctgcct ggtggctggt gtatcccaac tgggcaagag atggcagagg gtcccccttg    1740
tgggtgcgct tggatgtgca gagccttctc catggatttt cttccctgta agtgccgggc    1800
ccctcacccc agctgacagg ctgttgctgt gcctgctcac acctgctcct gcaggcacac    1860
tgggctaggg acgaggaagg agcagccaca agtggtagaa ctgccttggt ggacaccagc    1920
ctcgccctgt ctttatttcc tgaatggttt gtgaacttgc tcacctggac cactgtatcc    1980
tgccactgtc cttcctggtc tcgcactgcc actgcatggc ctcctgtcac tgtgaatcgt    2040
ggcccagtct cagtttgtag tttctcatta aattggccct ttcactcccc cgccctggga    2100
aaaaaaaaaa acaaaaaaaa aa                                             2122
```

<210> 8693
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (14)...(398)
<223> similar to gi1857137 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8693
```
actgagacga ataatgaact taattatcca taaagacatt ctgttagaca ttccagctaa     60
taagggtacg catgatgaat ggacaaggcc cgaccccacg aggtatcgat gatgaaatta    120
catgctgaag aatgcctagt ggccgtata tcatggacat agggcatgat gatatgggag    180
actcagacac gaacactaag ccttctccaa aatttgctgc tctggacaga aagctatctc    240
acggctactc agcacatccc ttacagaact catcacactc aaaatctcca atgaacactc    300
acccaaactc cagatccgga gtcatattta cctgagggca gtgagtgaag cctccatcaa    360
ccggagcctg gacagcctgg aacctgcagg cttgct                             396
```


<210> 8694
<211> 566
```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(567)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (341)...(566)
<223> similar to gi4098124 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


```
      <400> 8694
cccacgcgtc cgcagcaaag ctccatctgt cggcagagga gaaggggag gaggcacggc      60
cgaggcaaac gagcggacgc ctcgtcgccg ggtgccggta tcacccccgct gcaacgcctt    120
ccagcaaaag ccaccgcggc ccgggttgca gcagccggac ggatgccaag gccacacggc     180
agccacgggg gcagccgtcg cagtcgccgt cccacacggg ctgcggacac caagggttgc     240
taatgaagtg attgagaaga aacagtgaac atcctcattt cacagataag acaacatgga     300
tcagcctttt actgtgaatt ctctgaaaaa gttagctgct atgcctgacc atacagatgt     360
ttccctaagc ccagaagagc gagtccgtgc cctaagcaag cttggttgta atatcaccat     420
cagtgaagac atcactccac gacgttactt taggtctgga gtagagatgg agaggatggc     480
gtctgtgtat ttggaagaag gaatttggaa atgctttgtc tttataataa ttttaccttt     540
ttgtgaaant tcctaccang agttcc                                          566
```

<210> 8695
<211> 392
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (90)...(390)
<223> similar to gi4583418 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


```
      <400> 8695
agaattaagt ctcccacagc cattggagta gcttttatgg acagaagaaa cccttttccca    60
gccggtgtcc gtcttcccag ctccccgcca tgtcgccaag tgaatccatc ctgccgtccg    120
tctccacttt caccagcccg taccgcaagc gccgcctgca ggagcgctga ccctgcgccg    180
agcccgaggc caggggaacc cacaactacc tcaacagcgt gtgggactcc attcggtcca    240
cagggctgga tggcctgggg ccgaggccac cccgaagccc ccggcgaccc caccgtctgc    300
gtcctattac ccgaacactg cacgccgctg ccctagggcg ccctggagct ggacccgctg    360
ccagaaggcc cgcgctgctc cggacgcgtg gg                                   392
```

7268

```
<210> 8696
<211> 646
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (156)...(590)
<223> similar to gi1613848 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 8696
atctaaagga ccttcataaa gcatgtgggt gctatataaa aggatatgtc taggcccaag      60
taaatataag tacaacaaag cagctgttga tcaggtatgg cttagtaata cttcccttcg     120
gaagtacctt gcattttacc agcattttat ttcttttagg ttgttggtat ggagcaaaag     180
acgagacacc ttctaagcag accctttcta tacaacagga gtccccactc aggacacatt     240
ggacaggtgt atgtaccaag aaggtccacc tctggggaat gtgtggccct ctcctgggag     300
atatcttaca ccagggaaca caacacaatc agaaattgaa tgggtttggg gcatatgaaa     360
aaaaattgga tgacgatgca aaccatcatc aagaccagaa gcagcacatt ggagagaaat     420
cgtacagaag caatgccaag ggaacatctt ttgtaaagaa ctgtaaattc catatgtcac     480
atgagccatt tatctttcat gaggttggga aagacttttt gtccagctct gagattactc     540
caacaagagg acattcacaa ttaagggaag tcaaactttg aaactaagca tgggatgtat     600
tgcggccgct ctagaggatc ctaacttcgt cggggtcgct actcca                    646




<210> 8697
<211> 930
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(931)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (602)...(930)
<223> similar to gi5726236 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 8697
ggcagccttc ccttggtgtt taatcattgc agggatgcct ctctgattat acacccacgt      60
ttcaagggtg tcagaccacg cagggacaac tgccttggtc cttcaccctt agcagcaagt     120
cccgcttttc tggggaaggg gcaagtaccc caaccccttc tctccgtgtc tctacccctt     180
```

7269

```
ctctgctttt ccggggacag ggcaagtacc ccaacccctt ctctccgtgt ctctactcct    240
tctctgcttt tctggggaca gggcaagtac cccaacccct tctctccttg tctctacccc    300
ttctctgctt ttctgggggca ggggcaagta cccctcaacc ccttctcctt caccccttagc    360
ggtaagtccc gcttttctag ggggcagggg caagtacccc cccaacccct tctccttcac    420
ccttagtggc aagtcctgct ttcctggggc aggggcaagt accccttaac cccttctcct    480
tcacccttag cagcaagtcc cactttttcta ggggcaaga aaccccaaac cccttccctc    540
cgtgtctcta ctctctcttt tctctgggct tgcttccttc actataggca accttccatc    600
ctccattcct ccttcttctc ccttattctg tgttctcaag aacttagaac ctcttcaact    660
cacacctgac ctaaaaccta aatgccttat cttcttctgc aacaccgctt ggccccaata    720
caaacttgac aatggctcta aatggccaga aaacggcatt tcgatttctc catcctacaa    780
gacctaaata attttttgttg aaaaatgggc aaatggtctg aggtgcctta cgtccaggcg    840
tttttcacac ttcattccct ccctagtctc tgttcccgat tcctcccaaa tcctccttct    900
ttccctcccg cctgccgtgn nncgggaatt                                       930
```

<210> 8698
<211> 215
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (31)...(6)
<223> similar to gi28334 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

```
<400> 8698
cggccgagtc gacgtttgct gagaatcatc atggaccatt atgattctca gcaaaccaac    60
gattacatgc agccagaaga ggactgggac cgggacctgc tcctggaccc cggcatggtt    120
agaaccacgc atacacccga ctttctccgg catggtgtaa ctcccacctc cttaaggggt    180
ttccccttat aaaaaacata aaaaaaagtt gacgc                                 215
```

<210> 8699
<211> 375
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (134)...(372)
<223> similar to gi1916229 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8699

```
ggaatatctt gtttaaagta agacacaatt ttcctgccac cataaagggg aaagcacaaa      60
gcagggtggc ctctttgcat cttgaaggca acccatgtga cagttggaca tgctgctaca     120
atctatttag tgggttaaag taaggctttt ccatgacatg attgcctatg aagaaaattc     180
tgagaaataa acctccaaaa tcctcttaga actaataagc aagtgtagta aggtcaaagg     240
atataagacc aacacacaat aatcaattcc atttctatat actaacaatg aacaggaaaa     300
caaatattaa aaactcagta ctatttacaa tcactccaaa gataatgaaa tacttaggta     360
caggattgta tgatg                                                      375
```

<210> 8700
<211> 845
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (243)...(847)
<223> similar to gi2529737 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8700
```
tttcgcgggg cttcttcagg cggtggcggc agcagcgaag gtggcggcgg cagcagcggc      60
agcggctatg gtgtggtcgc tcgattctcc cagtgcctgg ctgagtttcg gacgtggtta     120
agaaccaact ggttgaggtt caatgcagac aagacggatg tgatgctgta gaaaatgtgc     180
atcagatgtt tatgtttaat tggtttacag actgtctgtg gactcttttc ctgtcaaatt     240
accagccatc tgttgaatct tcaagtccag gaggttcagc aacatcagat gaccatgaat     300
ttgatccatc agctgacatg ctggttcatg attttgatga tgaacgaaca ttagaagagg     360
aagaaatgat ggaaggagaa acaaacttca gctctgaaat agaagatctt gcaagggaag     420
gcgacatgcc aattcatgaa cttctcagcc tttatggtta tggtagtact gttcgactac     480
ctgaagaaga tgaggaagag gaagaagagg aagaagaagg tgaagatgat gaagatgctg     540
ataatgatga caacagtggc tgtagtgggg aaaataaaga ggagaatata aaggattcat     600
caggtcagga ggatgaaact cagtcttcca atgatgatcc atcacaatct gttgcttctc     660
aagatgccca ggaaataatc cgcccacgtc gatgtaaata ttttgataca aatagtgaag     720
tagaagaaga atctgaagaa gatgaagatt atattccacc ataatctcct ttttccagtc     780
ttctgatgga atataatctt catcttcttc agaagactgg aaaaaggaga ttatggtggg     840
ctcct                                                                 845
```

<210> 8701
<211> 394
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (346)...(396)
<223> similar to gi1122422 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8701
ggcacgagcg cgtagctgac gtcggaggtt cgcggctcta acggagcttt ctacgaggga   60
tttatcctag atgctcatga ggactacctt acagaggtat ttgatattta ttgacatcca   120
caacgcctgg ttacatttaa tgaagttaga tataccatct ccatctgata tatatataga   180
aattactgac ggatatgaag tagaggtata ttctagagca tatgtccacg agccctgtgg   240
ctggcgcgcg gatacacgca cgctgacgca tggagatata tatgtcattg agtatgctgc   300
ttgctacgct acttacgatg acatactcac atttgatcga ctttggcctg tcaatcaaaa   360
tatgactgtc agagaaaata ccttctttaa atgc   394

<210> 8702
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (24)...(277)
<223> similar to gi38479 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8702
ggcacgagcc cagccgccca gagatgaccg agaccgaagc cctcctgcgc gtcctcttgc   60
atcctgctgg ctttcggaca cagcacctat ggggctgaat gcttaccggc ctgcaacccc   120
caaaatggat tctgcgagga tgacaatggt tgcaggtgcc atgctggctg tgactgtccg   180
ctttgagacc tctgcgtgac ctctgacgac tgccttgacg gactctgtgg agaacccctg   240
cagagcacat gcaccaacga ctttcactgt gaaatctgag aatcacaatg acattacgtt   300
aatgtctaag tctatgtcta tcttatataa ttctcgacaa tattctaaag aagagttcta   360
ttgataactt cgtgtgcgtt gtcgtgcctc gctcag   396

<210> 8703
<211> 335
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)...(329)
<223> similar to gi2276396 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8703

```
ggcacgaggg attcaagcct cgtgaacgaa gcggtgggga gcaggcacag gactgggatg    60
ctctgccacc caagcggccc cgactagggg caggaaacaa gatcggaggc cgtaagccta   120
ttgcggtgct ggatggggcc aatttggaga caggccatga aggaaataca aactacctac   180
gcgcccgtga ccagcacgct catctaatgc tgactgatcg caaggaatcc tgaatgagcc   240
ataccagata cgagtgccgt tagtcagatg acgctgtgaa gatgaacatg aaccgatcag   300
cgttgtacta tggttaccta tgtacctgct accac                              335
```

<210> 8704
<211> 363
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (10)...(366)
<223> similar to gi37725 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8704

```
ggcacgagca tggatctcat gcgcaagatc atgaagcacc tggggatctt cctcctgatg    60
gaggcggctc ccagatggct cctgtcccag ctgcagctgc aggagtccgt ccccggactg   120
gtgaagcctt cggagaccct gcccctcacc tgcactgtct ctggtggctc catctgcagc   180
agtggttact actggggctg gatccgccat cccccaggga aggggctgta gtggattggg   240
agtatctatt atacatggga gcacctacta caacgagtac ctcacgagtc cagtcacgca   300
tatccgtaca cacgtgcaac atccagttct ccctgatgct gaactatggg accgacgctg   360
act                                                                 363
```

<210> 8705
<211> 353
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (103)...(354)
<223> similar to gi455994 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8705

```
ggcacgagaa gcagcagcat tgtcgtaccc caaactcact gtgacattgc tcacagaacc    60
acgccgtgac gaccgccatc ctgacccacc agggagatgt aggacagtgc ttggctcaag   120
```

```
ctgcccacac tcttgactcc ggtgccagga gtcctgcctt tgtgctcagc ttgtagggac      180
ctgcctaggg agggcctgtc tgcctgagtg tgggtagagg cctcgcacat ggcaagaaag      240
agctgacttc cttggctaga tgccgtagag cacctggatg atctcaaggg cacctttgac      300
cagctgactg aactgcactg tgactagctg catgtgaatc ctgataactt ccg            353
```

```
<210> 8706
<211> 761
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (295)...(761)
<223> similar to gi4678526 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 8706
ctccccgccg agaagcctcg ctcggcgccc aacatggcgg gtgggcgctg cggcccgcag       60
ctaacggcgc tcctggccgc ctggatcgcg gctgtggcgg cgacggcagg ccccgaggag      120
gccgcgctgc cgccggagca gagccgggtc cagcccatga ccgcctccaa ctggacgctg      180
gtgatggagg gcgagtggat gctgaaattt tacgccccat ggtgtccatc ctgccagcag      240
actgattcag aatgggaggc ttttgcaaag aatggtgaaa tacttcagat cagtgtgggg      300
aaggtagatg tcattcaaga accaggtttg agtggccgct tctttgtcac cactctccca      360
gcattttttc atgcaaagga tgggatattc cgccgttatc gtggcccagg aatcttcgaa      420
gacctgcaga attatatctt agagaagaaa tggcaatcag tcgagcctct gactggctgg      480
aaatccccgg cttctctaac gatgtctgga atggctggtc tttttagcat ctctggcaag      540
atatggcatc ttcacaacta tttcacagtg actcttggaa ttcctgcttg gtgttcttat      600
gtctttttcg tcatagccac cttggttttt ggcctttcta tggatctggt cttgtaggta      660
atatcacagt gtaattggga tccaccctat cgccacgtat catgacccca tctactaacc      720
ttggcgtcca cacagcccac acctcggagc atctgcgctt g                        761
```

```
<210> 8707
<211> 884
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (602)...(882)
<223> similar to gi1698455 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 8707
```

```
gcggaatagt gggttttgct gcaaccggtt tattttcctt ctgttttcac ccattctggc        60
acaatctggc gccatcgtcc ttcttgtgag gccaagcctg aaaatgcgaa gcagagaggc       120
aggaccaaaa ttgaggcgaa tccaggaacc tgccaatggg tctccgggtg cggtctctga       180
aactggagga tatcgggagg aaaggctctc cgatgcggag ataatgggga agctcttggc       240
atggttggct gtaggtatgt gataccggag gagcaggagt caaataggat acgccgactt       300
ttaattcaag gaaccctttt ctgaaacact ttgccacaat gaaggaaata agattacagc       360
cgaagataca tattaaggaa ttgtactctc agagatgttg agaaaagata catgggtctt       420
ggaagataat tactcaaaat atgcagggaa ggaataaaat tgaagggtgt ttttcttaaa       480
gaacatcatt tgtcatattt atttgatcaa gaagttgaag atttatataa taaggatcta       540
gtttgaagca ctaagaagaa taagacatca gtttgaaaag aggctctatc agaacaacac       600
gaattctgct aaaattgaag caagaacaaa catcaaatat atgttgacac ttgggtggaa       660
gaatggtgaa ctaattgatg ctttatgaaa agttgatagg gacagtgctc ccaaagaaat       720
cagtttacaa atggataact cgttttaaga aggcataagg taatgttgaa gaagaagccc       780
acagtggcag atcatccaca tcagtttgtg agaaaaaagt tagttcatgg cgtaattgaa       840
gaaaaccaac aattaacagc agaaacaaca gccaacacca taga                        884
```

```
            <400> 8708
ggcacgagcg agctgttgtg catccagagg tggaattggg gcccggcatt ccctcctcgt        60
cccgggctgg cccttgcccc caccctgcaa ctcctggttg agatgggctc agccaagagc       120
gtcccagtca caccagcgcg gcctccgccg cacaacaagc atctggctcg agtggcggac       180
ccccgttcac ctagtgctgg catcctgcgc actcccatcc aggtggagag ctctccacag       240
ccaggcctac cagcagggga gcaactggag ggtcttaaac atgcccagga ctcagatccc       300
cgctctccat tggggaagaa ctgagggcac gggtggcaag tgggtcaggg atcagacctg       360
ggcagcccac agcctctccc gccctctgcc tcccacctga cagctccagg caagccgct       420
gctctcagcc tccctgcctg tcccttcctt ggtttggggt gagaagcagc cctgccaaca       480
cataccacgt gccagtgact tccctatgcc cctcgcccgc tctgcactat acagcgctgc       540
aggcaggcat catttccacg tcgcaggcaa gagcaccaag gct                         583
```

<222> (180)...(356)
<223> similar to gi5306259 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8709
ggcacgagct cttacctatc tatcctagac tgtgagctcc ttgaaggcac agtcctggcc   60
tagagtaggc atgccataaa tgattagaaa gtagagggaa gtggcagggc agccaagaca   120
gttttagaga cttttaagta gttcaaacaa acaagccagc acatgttgga ggtggaggga   180
tggttgaccc catcaccccc acctacctca cccctgcacc accacccccc tcacccaccc   240
tcccgccttg cctacccgac caatagccct cccccagtct cgttccaccg cctccacgca   300
ccccaccctc ctctaccact cctcccctct cgtctccccc cctcccttc cgcccc   356

<210> 8710
<211> 356
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (35)...(356)
<223> similar to gi183885 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8710
ggcacgaggg aacgtctgag gttatcaata agctcctagt ccagacgcca tggggcattt   60
cacagaggag gacaaggcta ctatcacaag cctgtggggc aaggtgaatg tggaagatgc   120
tggaggagaa accctgggaa ggctactggt tgtctaccca tggaccagga ggatctttga   180
cttgctctgg ataactgtcc tcttggtttg gcatgatggg caactataca gtcaagggac   240
atggcaagac ggcgctgact ttattgtgag atgccatatg acccttggtt gagcctatgg   300
gctgctttgc ctggctaact gagctgacat gtgacatgct gtattggaat ccttgg   356

<210> 8711
<211> 357
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(358)
<223> n = a,t,c or g

<220>
<221> misc_feature

7276

```
        <222> (93)...(357)
        <223> similar to gi2443340 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters




        <400> 8711
ggcacgaggg cggcggctgt agcggcgtga caggagcccc atggcacctg cccagcccca      60
cctcagccca tcttgacaaa atctaaggct ccatggagcc accacggggc ccccctggcc     120
atggggccga gccatcccgg gcagtgggca ccgtcaaagt atacctgccc aacaagcaac     180
gcacggtggn gacagtgccc gaataggaga aggggtacaa aactctatac aagggcctga     240
aagtgcgggg tctaaatcag gactgctgtg gggggtaccg actcttctag ggacaaaaga     300
cacggactgt gtggacacaa gcattggttc cctggatggc caggagctca ttggcca        357




        <210> 8712
        <211> 478
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(479)
        <223> n = a,t,c or g

        <220>
        <221> misc_feature
        <222> (26)...(478)
        <223> similar to gi2232013 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters




        <400> 8712
gtcatgagac tgaggttgca tatgttcgat gctgtaggag gcagtgacct tcaaggacgt      60
ggctgtggtc ttcactgagg aagagctgag gctgctggac cttgcccaga ggaaactgta     120
ccgagaagtg atgctggaga acttcaggaa cctgctctca gtgggtgagg acaggcaccc     180
tttgtaaggg aacatcagga ccaggagtgg ctttgtatcc tagagtgttc aagtttgagt     240
atgcattggg aacctaagtt tccagtaaat tttacttaga ttttttttcta ggatatattg     300
gcactaagca catgactttt cacgttcaca gggcatcaat cactccacag agatactttc     360
cacttcctaa aggaagaaaa gttttggatg atggagacag caacccanag agaagggaat     420
ttaggtaaga agcaagcaac tctgtgtcct tgtgcgtgac tcttccatcg gtttcact       478




        <210> 8713
        <211> 976
        <212> DNA
        <213> Homo sapiens
```

7277

<220>
<221> misc_feature
<222> (257)...(484)
<223> similar to gi3329465 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8713
ggcacgagaa aagagacggg ctgtttctat gtagcaggat cggcccagct tcgggaaaat   60
ggagttttca gaggctcatc gaggccattt tttcatctcc agtcggggga actttttctg   120
cccatggaag tgcagcagaa aggcatagag gccactaggc cttgaagtgg ctgccatttt   180
aaagagtcga gtcagatggc ctattaactc agattaattg ctgtgctttt ggattccagg   240
ttgatgccgg cccaggatgg atcagacctg tgaactaccc agaagaaatt gtctgctgcc   300
cttttccaat ccagtgaatt tagatgcccc tgaagacaag gacagcccct tcggatgatc   360
cagattccag taccagtaca ttaggaaaca tgctagaatt acctggaact tcatcatcat   420
ctacttcaca ggaattgcca tttagactgg ccttgtcatg ttgcccaggc tggcgtcggg   480
actcctgggc tcattcgatc ctcctgcatc agctagaact acagtagttt cagattttga   540
agtgtgtatg tgtatgtgtg atatgtatat attccgtgtg tatagaaatg gagagtatct   600
tatttgagtt gttgtttttca gtaatgctgt caagtattgt tagagggtga taaatgataa   660
catttgtttt tatttgagct tatgaagaat ttcttgactt tctagctaaa tgatcagttc   720
acttctctta gcctcaattt tattgcgtct aaattccaaa agttcttgat tgctataaga   780
ttccttcagc tttaaatatt aatatttgat attgattttg tttctgccca aacacattgt   840
ttggtcaccg ccggtaatgt tagcaaagag aatttttttt ggccaacaaa tgtctcatac   900
cacattcagt ttttataaga aaaacttta tggtatgttg ttattctgag ttcattaaac   960
attcgctttta ccttat   976

<210> 8714
<211> 375
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (38)...(378)
<223> similar to gi183885 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8714
ggcacgaggg aacgtctgag gttatcaatg tgctactagt cctgacgcca tggggcattt   60
cacagaggag gacaaggcta ctattacaag cctgtggtgc aaggtgaatg tggaagatgc   120
tgtatgagaa accctgagta ggctcctgga tgactaccca tggacccata aggtattaga   180
cagctttagc aacctgccct ctgactctgc catcatagtc aaccttaaag gctaggcaca   240
tggcaagagt gggctgactt ccttgggaga agccataaag cacctggatg agcttaaggg   300
cacctttgtc catctgagtg aactagcact gtgacaagct gcatgtggat cctgataact   360
gtaagctgct gggag   375

```
<210> 8715
<211> 1320
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (749)...(38)
<223> similar to gi338263 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



        <400> 8715
ccagtatgga acctcggggg tgacctgcgc ctgggtcccc gcccatagag ctgcctctgg       60
aggttctggg aaatgggccg cagatgcatg aagttgcaga agccacctcg ggtacattcc      120
cgtgcacagc ctgcccgttg aaccagcggt tactgagttc agccacggcc cgctctccat      180
cctcctccct ccggaactgc aggaaatgtc agtcagggtc agcaggagaa ctcagagatc      240
ttcaggggac tcactacccg ctctggggct ggactggatt tagtgatgaa attcaagctg      300
agagcctaca gtggccacca tcaggcattg aaacgcctcc acttctgggc cctaagtggg      360
gggcagcaag caccttgaca tagacgttgc ccacgaggtg gtccccaagg ttgtcgcaca      420
cattcatctc ttcaatctcc ccatacttct cctgcagttc tgtgaacacc tcctgtggaa      480
gacggggagg aactcagctg agctcccaca agaaacccca tctgcccta ccaaccctca       540
cctcgaagaa gctatcatag tgctcctgca cctccacgtc actcacatga cctggggtgg      600
gggcgggcag ggtggaatca gagtgtagcc tactgggggc tgttcacctt gcccccaggc      660
ctggtccctt actcacagtg tgatccgtct gcagtttggg ctgtgttctg tggattccgg      720
tacaggttga gcagcactat ggtctgcaca gaatttaaaa ggggcggggc ctgagctcag      780
agggcagggc tgcatgaaca gagagtgagg catgaaggtt gggggtggaa ccttacaccc      840
cagcctaagc atcatgagtg catcggcgat cctttgcccc taagaaacca gaaaagggat      900
ggaggggact ggcaaggatg aacagcggga tggaagggac tggcaaagat gaacagccgc      960
cgtgtgtagc ctgtacgcat gggggcgcga ccaagttccc gggaaaacgg cacgaagacc     1020
ggtgggagga gcctgcagaa aggtccaatg agaaaaaaag ccgggcggtg gggagggact     1080
caggaacccg gaataggcgg gacatggtga cgacggcccc agaaggggaa gggccaggga     1140
gccgttaacc cccgaggctc cgtgccgggt ctcacctggc tgaatgtcgg cttgttgtga     1200
agccgggagc accggtcccc gtgccggcag accccgatct taaagtaaaa agagcagtta     1260
accttgtcct tctcagtccc gaatatcgaa gctaaatatt cagccatttt tacccaagcc     1320



        <210> 8716
        <211> 1101
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(1102)
        <223> n = a,t,c or g

        <220>
        <221> misc_feature
        <222> (313)...(1101)
```

```
       <400> 8716
tttcgtggac agacagatag tgggacttct cagggcttgg acaagcccca ccccacgctt      60
gggggtggggt ccaggactac agtgcccgcc cagtttgcgg acagtgaaaa aaaaaaagta     120
ccgttccaaa gcaggagcct aggcagccga gagggtgccc gaacctgagt ctgagttgcg     180
gccacttcag gagctgagag gagcaggatg gaactgcagg atccaaagat gaatggagcc     240
ctcccttcgg atgctgtggg ctacaggcaa gaacgtgagg gcttcctgcc cagtcgtggt     300
cctgctcctg ggagcaagcc ggtccagttc atggatttcg aggggaagac atcgtttgga     360
atgtcagtgt tcaacctcag caacgccatc atgggcagcg gcatcctggg gctggcctat     420
gccatggccc acacgggggt catcttcttc ctggccctgc tgctgtgcat tgcgcttctg     480
tcgtcctact ccatccacct cctgctgacc tgtgctggta ttgcaggcat ccgagcctat     540
gagcagctgg gacagagggc attcgggcct gcggggaagg tagtggtggc cacagtcatc     600
tgtctgcaca atgttggggc catgtccagt tacctgttca tcatcaaatc tgagctcccc     660
ctggttatcg gcaccttcct gtacatggac cccgaggggg actggttctt gaagggaaac     720
ctcctcatca tcatcgtcag tgtgttaatc atcctgcccc tcgccctcat gaaacacttg     780
ggctacctgg ggtacaccag tggtctctct ctgacctgca tgctgttttt ccttgtttcg     840
gtcatctaca agaagttcca acttgggctg tgctataggg ccacaatgaa acagcaatgg     900
gagagtgaag ctctcgtggg gactccccag ccaagggact caacagcagc tgtgaaggcc     960
cagatgtttc acagttgact cacaggtgtt cttacacagt ggcccattat ggcttttgct    1020
tttgtctgcc accctggagg tgctggccca tctattacgg agctttgccg ggcctttcaa    1080
gcgcaggatg cagggncgtg g                                              1101
```

       <210> 8717
       <211> 1518
       <212> DNA
       <213> Homo sapiens

       <220>
       <221> misc_feature
       <222> (463)...(1521)

```
       <400> 8717
ggcacgaggg aggtaggcag tggtatccat cctgatgagg cagcagaaaa ggagatgact      60
tgagttgtgg cagagaatgg cactggcttg gtaggcagct tggagctgga agaagagcag     120
ccagaactga agatgtgtgg ctacaatggc tctgtccctt ctgtggaatc gttacaccaa     180
gaggtctcag tcctggtccc tgaccccaca gtgagctgtt tagatgatcc ttcacatctt     240
cctgatcaac tggaagacac tccaatcctc agtgaagact ctctggagcc cttcaactct     300
ctggcaccag agccagtgag tggaggacta tatggtattg atgacacgga gctgatgggt     360
gcagaggaca agctgcctct tgaggacagc cctgtgattt ctgcccttga ttgcccttcc     420
ctcaataatg ctactgcctt cagtctcctg gcagatgata gtcaaacatc aacctctatc     480
tttgccagtc ccacctctcc acctgtccta ggggagtctg tcctgcaaga taacagcttt     540
gacctgaata atggtagtga cgctgaacag gaagaaatgg aaactcaatc ttcagacttc     600
ccaccatccc tgacccagcc agctcctgat cagtcatcca ctattcagct acatccagca     660
```

```
acctcaccag cagtctcgcc aacaacctcc ccagcagtct ccctagtggt ttctccagca   720
gcctccccag aaatctctcc agaagtttgt cccgcagctt ctacagttgt ctctccagca   780
gtcttctcag tggtctctcc agcttcctca gcagtcctcc cagcagtctc cttagaagtc   840
ccgttgacgg cttcagtgac atccccaaaa gcctctcccg taacttcccc agcagctgcc   900
tttccaacag cctccccagc aaataaggat gtcagcagct ttctagaaac cactgctgac   960
gtggaagaga tcactggaga aggactcact gcttctggta gtggtgatgt catgaggaga  1020
cgtattgcta ccccagaaga agttcgtctt cccctccaac atgggtggcg gagagaggtg  1080
cgcatcaaga agggcagcca ccgatggcag ggggagacct ggtattatgg cccctgtggg  1140
aagaggatga agcaatttcc agaagtgatc aagtacctga gccgcaacgt ggtacacagt  1200
gtccgccgag agcacttcag cttcagtccc cgtatgcctg ttggagattt ctttgaagaa  1260
agagacacgc cagaggtgca gacccaaggg ttaaatatgc ttttgtccct gaggaagagt  1320
tggtggacaa gctgcagctt cctctcgtgg ggtttgaagg ttctggggca ttgaatggtt  1380
ccgagggcct cgtggcctgc actgattcct tactactgta acagtctccc ttgctacctt  1440
agggcttgca gtgggtgcag ctctcagcag aggagatccc gtcgaggatt caggcaatta  1500
ctggcaaacg gggtcgat                                                1518
```

```
                <400> 8718
        ggcacgaggt ttgttggggt tggggggtat gcatctcctg ctgtgttgct gaaggatttg    60
        ctttagcaag ttcctttagc ttctataggt ctgtatccta cattggagaa ctacattaaa   120
        tgacttgaaa ctcttagtag aaagagtcta tttattgttt ttgagaccga gtctcgatct   180
        gtcgaccagc cctttgggca ccaggcctat gacaccgcca tcatgtccat ccccaaaatc   240
        aaagcacatc gttctagagc tctgacttcc ttgggagatt ccacttagca cctggaagat   300
        ctcaagggcc tctttagcca ccttaatgaa ctgcactgga caagcctctt gagcaccctg   360
        ataacataaa ctcttggaaa tcggcctgtg accgcttggc aa                       402
```

<400> 8719
```
gaatgcccac tggggccagg gtgggcaaag gaggttggtg ccaatgtggt gctggaagta    60
gacccctcct gggtctggaa cattctctgc cccaggctct ttccacctgg ggatgttgtg   120
acaacatcca gctgtggtgt ctgggctatt tgtgtggtga caagacagac ctggtcaggg   180
ggtgggtggc aaacacctca cctggctggg cagaggccac cttgctgttt ggcccaaggc   240
caggtgaggc ccctcccttt ccaccattgc cctggccccg tggccattca ttcttggggt   300
ttgtctgagt cttccacaga gagcagcaaa gagatatggg agttgggtga tcagtgtatt   360
tactttgcag atttttctgg aaataacctc tagctgctgc tatttgcaag gctgggattg   420
gcctccctgt cttttccaac aatcaggacc ccatcctgtc tgttcctgtt cttctcccag   480
cctctgccct ccttctgtct cctgggtggt ctcccgcttc gctcctggcc tttgcatgtt   540
ccatctcttc tctttctccc ctcttcgcca ccctagatta tctctgtgtc cctctaccta   600
attctcttac cagttctttc ctttctgctt agagccggag ggagggaagc tggaatctgt   660
tatggtgtat taggggggagg agcctttctg ttatttcccc ccagcttcca tcacccttcc   720
cttaatgcca ggagcgccga ggtttggaac tgaggctaaa ccgaagggct ttctcctgct   780
tctgtcaccc tgtgctgtct cccggcatct cctcactatc tgggtccagg cccgggtcct   840
ccctgcagac tccctcccct ccagcccaca aggactccag cctgctggct ggtgaagaag   900
cttggaatga agcagtaaga aagttaacgc caggtcaagc ctcgggcccc aagggttccc   960
tgggcacagg ctgacactag gagctgctct ccttggccgg ggacagctcc agcagctcag  1020
gctccagccc tccagtgagc cgcctctcct ggagagtagc aaagaatgga gaaaggcctg  1080
gcttgagagg aaatggagaa aacattgcct ggtagctgca gattcaaacc caccacacac  1140
accacggggc tagagtgact cacctgggct cacaccaact tctggccaat gcagggacca  1200
tgctctgcag acagcagtcc tctagcatgg ccccagcatt cagccagtcg gtcacctgtg  1260
ggccatcccc atgtgtgagg aagcaggagt cagccaccaa gtgtctccac atcggagctt  1320
gcgggtcaga cctgtgggcc aggggatggg agcagggctg agggtagggg ctgaatgtgt  1380
ggctctgtcc ctgtgttgcc ttccacagag gagcaaggcc tcaggctgag gaaggagggg  1440
cacgctggaa cagcctagtc tcctccccgt ggattccccc aaacccataa cattcttcca  1500
tagggggctga gaacgcagtg ccccgtccct gacagggatg aaaagtgaac ccctcaggtc  1560
aggagaggca gagttgaggt tctgccactt cctgtccctg gggagccact caagttacca  1620
gggctaccgg gctgaaataa atcttttcc cgggttaggg ttcaaagggc aagtggattt  1680
tgccaaggca actgatgtag gccagttgac gtgactccca ggtttgtccc tggtactcag  1740
tgggtcccaa tcacctggca ttgatcacct ggcattgatc agcacccacc ccaccccctga  1800
aggcttgccc agccccccagg ccctcagatc cctgctcttc ctgcctttcc tgcccatgtg  1860
tcacccagca cccaaggttc agtgacacag ggtggtttgg agctggtcac tgtcatagca  1920
gctgtgattt cacaaggaag ggtgctgcag ggggacctgg ttgatgggga gtgggaaggg  1980
gaaggaataa agagatcttc ctcaggaaaa aa                                2012
```

<210> 8720
<211> 380
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (80)...(382)
<223> similar to gi1377880 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

7282

<400> 8720

```
atcgagcatg gctgcccca  cggatgacgg cctgaccact gctgctccca cgctttatcg    60
acattccctg ccttctgtgc tatcttaccc aggtcacccc agacgacatg tacgccaagg   120
cctttctgat caagcccaac acggccatca ccgggactga caggagaaag ctctcgagct   180
gatgagacaa cagatttccc acaccttgg  aactgatcaa atctatgagt tattacctgg   240
aaaggacgag ctcaacatcg tgaaatcgaa tgctcacaaa cgggatgcat agactgcgta   300
cgtgagtgga gaaaaccaca tactttctga accgtagaaa aacctgtatc cagcagtgaa   360
cacgctgagc tcctatccct                                               380
```


<210> 8721
<211> 1776
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (84)...(1776)
<223> similar to gi238267 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8721

```
agcggccgcg cagcggacac cgtgcgtacc ggcctgcggc gcccggccac cggggcggac    60
cgcggaaccc gaggccatgt cccatgaaaa gagttttttg gtgtctgggg acaactatcc   120
tccccccaac cctggatatc gggggggggcc ccagccaccc atgcccccct atgctcagcc   180
tccctaccct ggggcccctt acccacagcc ccctttccag ccctccccct acggtcagcc   240
agggtacccc catggcccca gccctaccc  ccaaggggc  tacccacagg gtccctaccc   300
ccaaggggc  tacccacagg gccctaccc  acaagagggc tacccacagg gccctaccc    360
ccaaggggc  tacccccagg ggccatatcc ccagagcccc ttccccccca accctatgg   420
acagccacag gtcttcccag gacaagaccc tgactcaccc cagcatggaa actaccagga   480
ggagggtccc ccatcctact atgacaacca ggacttccct gccaccaact gggatgacaa   540
gagcatccga caggccttca tccgcaaggt gttcctagtg ctgaccttgc agctgtcggt   600
gaccctgtcc acggtgtctg tgttcacttt tgttgcggag gtgaagggct ttgtccggga   660
gaatgtctgg acctactatg tctcctatgc tgtcttcttc atctctctca tcgtcctcag   720
ctgttgtggg gacttccggc gaaagcaccc ctggaacctt gttgcactgt cggtcctgac   780
cgccagcctg tcgtacatgg tggggatgat cgccagcttc tacaacaccg aggcagtcat   840
catggccgtg ggcatcacca cagccgtctg cttcaccgtc gtcatcttct ccatgcagac   900
ccgctacgac ttcacctcat gcatgggcgt gctcctggtg agcatggtgg tgctcttcat   960
cttcgccatt ctctgcatct tcatccggaa ccgcatcctg gagatcgtgt acgcctcact  1020
gggcgctctg ctcttcacct gcttcctcgc agtggacacc cagctgctgc tggggaacaa  1080
gcagctgtcc ctgagcccag aagagtatgt gtttgctgcg ctgaacctgt acacagacat  1140
catcaacatc ttcctgtaca tcctcaccat cattggccgc gccaaggagt agccgagctc  1200
cagctcgctg tgcccgctca ggtggcacgg ctggcctgga ccctgcccct ggcacggcag  1260
tgccagctgt acttcccctc tctcttgtcc ccaggcacag cctaggaaa  aggatgcctc  1320
tctccaaccc tcctgtatgt acactgcaga tacttccatt tggacccgct gtggccacag  1380
catggcccct ttagtcctcc cgcccccgcc aagggcacc  aaggccacgt ttccgtgcca  1440
cctcctgtct actcattgtt gcatgagccc tgtctgccag cccacccag  ggactggggg  1500
cagcaccagg tcccggggag agggattgag ccaagaggtg agggtgcacg tcttccctcc  1560
tgtcccagct ccccagcctg gcgtagagca cccctcccct ccccccacc  ccctggagt   1620
gctgccctct ggggacatgc ggagtggggg tcttatccct gtgctgagcc ctgagggcag  1680
```

```
agaggatggc atgtttcagg ggagggggaa gccttcctct caatttgttg tcagtgaaat      1740
tccaataaat gggatttgct ctctgcaaaa aaaaaa                                1776


        <210> 8722
        <211> 313
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (116)...(313)
        <223> similar to gi198658 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters



        <400> 8722
ctcaggaaca acagataacc tcaacagccc tatatctact ggagaaaatt catacttaaa        60
aaccttcctg caaagaaaat tctaggctcc aatggtagaa ctcttatctg aagaagaaat       120
aataccagtt ctatcaaact caccgagaaa attaaagaag agagaataca ctgtaactca       180
atctacaagg ccagcattac cttgctaaca aaggtagaca gtgatattca ttaaaataaa       240
gttagagcta tttatccctc ttgaacatag atgcagaaat tcttggaaaa actcagcaaa       300
tcacatacaa cca                                                         313



        <210> 8723
        <211> 353
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (47)...(339)
        <223> similar to gi510406 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters



        <400> 8723
atgagctcaa aatttgcttt gagagctaca gggaattgct attactcctg taccttggct        60
ctatctactt aaactttatt accggaggct cttttcctac tctctgtact atcgatggct       120
caactacggt ccatagatac taatttactt tcaacaccct gaattttcat tctcattgta       180
agatgatatt atacattctc ttcctatcct ttatcatcct cagtgattct ggatatggag       240
atgctcaata tgatttcatt ctagaatgat atttcctcat aatattcata cataccctat       300
cgtcacaaat cagtgaagct tggatcttta catgcttctt gataaagaac aag             353
```

7284

```
<210> 8724
<211> 1578
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (439)...(1556)
<223> similar to gi509838 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



     <400> 8724
ggcacgagcc cgtcctgtta gggcagtact cttaaccaaa ctaaatgcta agattacttt      60
ttctctgaga tgattggaca tccaggtgcc ttcagaccaa gcatgtgctc tgcaggccat     120
attattacaa ctggagatcc ttgaaagtgc ctgcacccct gaagagatac tccaaaaggt     180
tagtccggaa acatgggcag atgggaggcc agggaaaaca aaaactgcat ctccagtaca     240
agtcaagttt tgtgcaggag tggcgctgcc aaatctaaag cagcgtcctt tgagagaaaa     300
ggcacagcaa tgcatttagc ctctgctaat ggccttcctg caatacagga agaattcctt     360
gtttctcatg taacatacct gtcttgccag gacaaaaaca tggaactgag gattattggt     420
ttgtacagga tttgagggct actaggcaaa ttttcaaagc catttatctg gtgatacctg     480
atgcttatac attattcatg actttaacca gtgagttgta ctggtgttca gtcttgaatc     540
tgaaggatgc cttcatctgt attccctga gtccagagtc ccatgaagtg tttgccttttg     600
aataggaaga ctctgacact aaagctaaat gatagtattg ctggatgatg ctccatcaag     660
gcttcaaaaa ctcactaacc gtccggggga aatacatgct aaggagtttt gggacctcca     720
attgaaaaat gagactttgc ttatatatgt tgatggcata ttagaagcca gcacaactat     780
ggcaaattga ccagaatatt atactggctt tacattttt tttttgtctg gatggggatc     840
caaagtatcc aagaaaaaaa tcacaaatat tgaaaaactc aattatatat tttaggtttg     900
aattttctca ggagcagagt aatctgcttt tcggactggg agagaagctc ttgtcagggt     960
ggccagactc aggacatggg cagcagctgg tgaggggttt ttaggtatgg ctgaatgttg    1020
ccatatttca ttttcttatt ttgggcttat agcaaaatgg tctctatgaa gccctaagac    1080
cagacacttg acctcctaga atggaccaag ggaatgtcca aaaggccttt ctaaccatta    1140
aggtaaaaaa ttactaatgg atctggctta ctggagaccc ccctgaacta agaaagccca    1200
ttggatttgt tcataccatg agagagaagg gatggggttt aggagtagta accccaaaga    1260
acttggggaa tatcatgagg cctgtagcct acttttcaaa acagctggac attgttatga    1320
tgggttggac ttcttatctc tgaccactgg caccacttgt gatcttctcc aggaggcaga    1380
agagttcact ttgggttaac ctagcactgt acacacccca cactgtgtat gctatttgtt    1440
ggaacagaag tggagctact gacttacctc tagaagactg aatagatatc aggtcatcct    1500
cctggataat cctagtgtta ctttgagagc tgtttctgct ttaaatcctg ctaaataaac    1560
ctatacatga ttgcatat                                                  1578



     <210> 8725
     <211> 879
     <212> DNA
     <213> Homo sapiens

     <220>
     <221> misc_feature
     <222> (356)...(707)
```

<400> 8725

```
tttttttttt ttctgagcca tggcaaaagc agttttttta agcttagtca agttgaagca      60
gcgggagtgg aggaggatca gagaaacctc tgtagttgtg attggttcct tgtcgcctcc     120
actgcgtacc cgctgagctg ggctttgggc aggtgagcag cacagaggct tccctcctcg     180
tccctcccca caccccacca tcgccacagc tccctccgcc gccggtgggg cacccagatg     240
gggagaagct gaggaggcca ctgttcaccc aaactggttg gtccttcggg caatgctggg     300
aataggtgg gggctctggg caagcccagg aggaggaggg cctggctgag ttccaggaac     360
atctcacacc cacaagggag gatctagctg gtgccctccc tgtactgtca ggaggccaga     420
gggcccttct ccagctcatc agggaggggaa ctgctctggc agggagtagg gaaggctgtt     480
tgtggcatcc ctcaagaaag ctcctgcctc agaagaggcc caggcaaaaa gagcccacaa     540
cagtctacct gtggagcagg gggagcccac agagcccagg gggagcccac agagcccagt     600
gagagctggg ggtccttgct gccaactcag accctcagat ccaagccaat ggctttgggg     660
cagggcagcc aaagccatgg taagatagcc tacaccacag agccccagag gcaggggctg     720
ccccgggctg gcacatttgg aaaggatgca cttgcaccct gtccacggaa gagctgtcat     780
caggcctcaa gcatctcaga atcctcccca ggcactgcct ccatggaggc agccggagga     840
acaggacagt tctggggtcc gaaccctctg ttggggaat                           879
```

<210> 8726
<211> 1679
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1567)...(1679)

<400> 8726

```
atttgaccta gtgagcaaga agtaggaact acattagact tagtggaaag acatttgcat      60
cagagggtag gaaataaata tgactacaat tcaagggcct tctaccttag tgaaattggt     120
agggacccag tgacatgggg catgttagga tatttcttct acggtgaagg ataagtactt     180
gcatcttgct gctcttaaaa ccaagaaaga ggcacaatac ttagtgggcc tctttgggtt     240
ttggaggcaa catttccaa tttcattatg ttacaccagc ctgtttacca attgactcaa     300
aaagctgcta gttttgagta gggcccagaa caagaaaaga gtctgcaaca ggtccaggct     360
gctgtgcaag ctgctctgcc acttgggtca tatgatccag tggtgtttca gtggcagtgg     420
cagataggga tgctgtttga agcttctggc aggtccctat aggtgaatct tggtttagga     480
ttttagagca aagccgtgcc attaccaaca aataactagt ctcttttga gaaacagctc     540
ttggcctgct actgggcctt agtagagact gatacttaat gagtcaccaa gttaccgtgc     600
aacctgagct tcccatcatg aactggatgt tatctgagcc accaacgcac aaagttggat     660
atgcacagca acactctgtc atcagatgga agtggtatac acatgattgg gcctgagagg     720
ccctgaaggc acaaggaagt tacatgaaga agtaggccaa atttccatag tccccacttc     780
tgctacctgc cttctctctt ccagcctgca tcggtggctt catggggact tccctgtgat     840
cagctgacag agaaagagaa gacttaggcc tggtttacag agggttctgt atgatatgca     900
```

```
ggtaccaccc taaagtggat agctgcagca ctacatctca cctctgggct accttgaagg       960
acagtggtga agggaaatcc tcctggtgga cacaactttg agcagtcccc ctgttgactt      1020
tgcttagaag gaaaaatagc cagatattca attatatgcc aattcatagg ccgtggccag      1080
tggtttggct ggatggtcag ggagttcaat ataactggaa aattggtgac aaagaaattt      1140
ggagatgaag tatgtggata gacactgaat gggcaaaaag ggtgaagata tttgtgcccc      1200
atgtgaatgc tcaccaaagg gttagcaaaa aaggatttta ataaagtgga caagataacc      1260
tgttctgtgg atactagtag gcctctttct ccagccacac ctgtcatcac ccaattgttt      1320
catgagcaaa gtagccatgg tgataagaat agaggttatg catgggctca gcaacgtgga      1380
cttctactca ccaaggctga cctggccaag gctatctctg agtgcccagt ctgccagcaa      1440
cagagaccaa cactgagccc ctgatatgac accattcccc agggtcatca gtcagttgcc      1500
tagtggcagg ttcattacat tgatccacct ctatcattga agggatagtg ttttatcctt      1560
actgaaatag atcttactct ggatacagat tcactttccc ttcgcgcagg gtgtctgcta      1620
aaactaccat ccgtggactt acagaatgtc tcatctatga ccatggtatt ccacacagg       1679
```


        <210> 8727
        <211> 1797
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(1798)
        <223> n = a,t,c or g

        <220>
        <221> misc_feature
        <222> (43)...(1797)
        <223> similar to gi4185892 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters

        <400> 8727
```
tttcgtgggg aggccgcgtg ggctatgggg cggcggtcgc ggggtcggcg gctccagcaa        60
cagcagcggc cggaagacgc ggaggatggc gccgagggtg gtggaaagcg cggcgaggcg       120
ggctgggaag gaggctaccc cgagatcgtc aaggagaaca agctgttcga gcactactac       180
caggagctca agatcgtgcc cgagggcgag tggggccagt tcatggacgc tctcagggag       240
ccgctcccgg ccactttaag aattactggt tacaaaagcc acgcaaaaga gattctccat       300
tgcttaaaga acaaatattt taaggaattg gaggacctgg agatggacgg tcagaaagtt       360
gaagttccac agccactgag ttggtatcct gaagaacttg cctggcacac aaatttaagt      420
cgaaaaatct tgagaaaatc gccacacttg gaaagttttc atcagtttct agttagtgaa      480
acagaatctg gaaatattag tcgtcaagaa gctgttagca tgatcccacc actgctcctc      540
aacgtgcggc ctcatcataa gatcttagat atgtgtgcag cacctggctc aaagaccaca      600
cagttaattg aaatgctaca tgccgacatg aatgtcccct tccagagggg atttgttatt      660
gcgaatgatg tggacaacaa gcgctgctac ctgctcgtcc atcaagccaa gaggctgagc      720
agcccctgca tcatggtggt caaccatgat gcctccagca tacccaggct ccagatagat      780
gtggacggca ggaaagagat cctcttctat gatcgaattt tatgtgatgt cccttgcagt      840
ggagacggca ctatgagaaa aaacattgat gtttggaaaa agtggaccac cttaaatagc      900
ttgcagctac atggcttaca gctgcggatt gcaacacgcg gggctgaaca gctgggctga      960
aggtggaagg atggtgtatt ccacgtgttc actaaaccct attgaggatg aagcagtcat      1020
agcatcttta ctggaaaaaa gtgaaggtgc tttggagctt gctgatgtgt ctaatgaact      1080
gccagggctg aagtggatgc ctggaatcac acagtggaag gtaatgacga aagatgggca      1140
```

7287

```
gtggtttaca gactgggacg ctgttcctca cagcagacac acccagatcc gacctaccat    1200
gttccctccg aaggacccag aaaagctgca ggccatgcac ctggagcgat gccttaggat    1260
attaccccat catcagaata ctggagggtt ttttgtggca gtattggtga aaaaatcttc    1320
aatgccgtgg aataaacgtc agccaaagct tcagggtaaa tctgcagaga ccagagaaag    1380
cacacagctg agccctgcag atctcacaga agggaaaccc acagatccct ctaagctgga    1440
aagtccgtca ttcacaggaa ctggtgacac agaaatagct catgcaactg aggatttaga    1500
gaataatggc agtaagaaag atggcgtgtg tggtcctcct ccatcaaaga aaatgaagtt    1560
atttggattt aaagaagatc catttgtatt tattcctgaa gatgacccat tatttccacc    1620
tattgagaaa ttttatgctt tggatccttc attcccaagg atgaatttgt taactcggac    1680
tacagaaggg aagaaaaggc agctctacat ggtttctaag gagttgcgga atgtgctgct    1740
gaataacagt gagaagatga aggttattaa cacggngatc aaagtctggt gtagaaa      1797
```


```
         <210> 8728
         <211> 800
         <212> DNA
         <213> Homo sapiens

         <220>
         <221> misc_feature
         <222> (62)...(802)
         <223> similar to gil698455 in the genepept database release 114,
         Run with FASTXY 3.3t00, default parameters




         <400> 8728
ctagtttgag gcactatgat atataagact tcattttgca attattccct atcaaggcaa      60
aatcaattct gctaaaatgg tagcaaggac aaacatcaaa ttgatggtga aagttgtgat    120
gtggaagaat ggtgaaatca ttgatacttt acaaatagtt tatggggaca atgccccaaa    180
gaaatcagta gcagtttaca aatgcataac tagtttaaga cgaagcaaag ttttagatga    240
agcctgcagc agcagaccag tcacatcgat ttgcaaggga aaagttaatc ttgtttatgc    300
caacatctca attggttcag cttacacaat tttgatggaa aattaaattt gagcaaactt    360
tccactcatt ggatgccaca actgtacacc cagatcagct gaagacaaga gcaaagcttt    420
caatggaaat ttaaacaagt gtgatcaaga ccctaaagga tttctttgaa aaattgtaac    480
aagagataga acatggcttt actagtacac ttttgaagac aaagcacagt caaagcaatg    540
gctaccaaga ggggaagtg gtccagtcaa agcaaaagca ggctggtcaa gagcaaaggt    600
caaggcaaaa caggtttttg gaatgctcaa atcgttttgc ttgttgactt tctggagggc    660
caaagaacga taacatctgc ttatgagagt attttgttga aaaaaattag ccaaagcttt    720
agcagaaaaa cgcctgagag agctttacca aaacgtactc taccccaaca atgcaggcaa    780
ggtccttcat caaactaggg                                                800




         <210> 8729
         <211> 1104
         <212> DNA
         <213> Homo sapiens

         <220>
         <221> misc_feature
```

<400> 8729

```
taaattagta tggttttaag atagttttac agatagatta gataatctat ctagagatag     60
ataggggagag atatctatca atacatatct ctatctagat atagatagat ggttttctat    120
atagacctat ctatctatat atgtatacat ctatatatgt ctacacatat ctctatacac    180
atatatatat ttatatctcc atctatattt ctacatgtat ataggtatgt atatatctac    240
atgtatatat gtatatagat agatatatac ataggtatct gtatatatgc atatacatgc    300
ctatctatct ttatctacat gtattacata gataggggtaa ttactgataa atcctttggc    360
cttctttgta aatctctggg ctaaagaccc ctccagtatt atacatgttc tggtctagat    420
tgctcactca ccagttctcc tcactatcta gagaagatcc acttagcagg cctcccctta    480
aagaagggca ccttaactgg actcactcct cccatagtag actgcacagt acacaagcag    540
aagaggagag ctcaataata aagtcagcat aaaggataat ttttaaatga ataaagaaat    600
cagaaaatcc agtattggct agcacatatg gctatcagca agctcaccct acaaaaaaat    660
agtgagaaaa cagttcgaat attggccgtt tggggcacat attctacaaa aaggaaaagt    720
tttgaaatgt atatatattt aatttaactc tttaaaatat ttgtaggcaa gcccagtggc    780
tcacacctat aatttcagaa ctttgggagg ccaggggcagg aggattgctt gaggccagga    840
gaccagcctg ggcaacatgg caagacccca tatctacaga tggttttaaa aaattagcca    900
ggtataacac agtgaaaccc cgtctctact aaaaatacaa aaaattagcc gggcgcggtg    960
gctcacgcct gtaatcccag ctactttggg aggccgaggc aggagaatgg cgtgaacccg   1020
ggaggcggag cttgcagtga gccgagatcg cgccactgca ctccagcctg ggcgacagag   1080
cgagactccg tctcaaaaaa aaaa                                          1104
```

<210> 8730
<211> 592
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(593)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (466)...(592)

<400> 8730

```
acactgaact gaagactgtg tcatctgaat cattctatta gtcactttaa tgatttatat     60
tgtgaacttt tttgggggaa actgtcatta aactgacttg aaaccctgat atttgaacat    120
aaaactattg tggagggaat aaataacaat tctttcagat aatgaatgga ttataagcaa    180
ctccaggaga caaaaaaagt gtctagaaca aatttcagcc tactcttgct cggaaatatg    240
ttccttaaat gtttaaataa ttaacaaaaa tgcatagcag tacagtaaat tttttatga    300
```

```
gcttcctatt gatacaggca tttaagtaac aacttttatc tgtcaaaggc tttcgcagaa    360
gaggttcttt tttgatcagg gcgatggaac tgttcatctc tgtggtccta tcaaccctct    420
cagttttcta agttattgat tgtctttgct ctgctatttt tggcagccct ctgttgctat    480
tctttgacat tcatgagatt tgcctacaag gtacagcctc ggaactgggc ttctgtttgc    540
atgcccacgg caacaaatgg aagtaggccc agttcnccgg ggggagggc gg              592
```

<210> 8731
<211> 2297
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (366)...(0)
<223> similar to gi4379026 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8731
```
cggggtaatg ttggcttcat agaatgactc agaaagggtt ctgtttctca acttttttgga    60
ggagttcgag aaggattagt gttaattcat ttctaaacgt ttggtagaat tcaccagcga   120
agtcatcagt tcctgggctt ttctttgtta ggagagtttt ggttgctgat tcaatcagaa   180
ttgaatatca ttacttttta tagatctatt cagatttatt ctttgttctt gagtcaactt   240
tgttggtttg tatgtttcta ggaatttgtc tgtttcatct aggttatcca atttttttgac   300
atatagctct tatacgaatt ctcttacaat cctttttatt cctataaatc agtagtagtg   360
ttttttcattt ctgattttag taggtgagta ttcttttttcc ttaatctaga taaagctttg   420
tcaactttgt tgatctcttc aaagaactaa tttttttgttt cattgattct attggttttc   480
tattctctat ttcatttatt tttgctctaa tccttattat ttccttcctc tttatggctt   540
caaactcaat tgaacataaa gtattaagaa atttgacttt tttctcaaat gtctaaaatg   600
taacaagaaa tatgtctaga gtcatcaaaa agcagcctgt ttgtcagatt tactgtttaa   660
tccatgtaaa cagctttcat ataattcatg atagaatatt actatgtgct ttggaagaca   720
ctgaaggaaa gacaaaaggt cattgggcag aaccacccta gattgactgt taaggccatc   780
ttctagtttg caggacttgt ggtagacaga cagaataata tcctggacct cttgggtgta   840
tacaggacaa actgaaataa actctcattt ttagatcata atgtcatcat gaaacatatc   900
aattcggtct atttctgaag aaaacaagca caatgataaa gtttgaatgt ttgtctcctc   960
caaatctcat gctgacattt gatccccaat gttggaggtg gggcgcactg ggaggtgttt  1020
tggttacggg ggcagatccc tcatgaatgg cttggtgctg tcttcatggg attatgttct  1080
cactcctact tcctgtgaga tcttattgtt aaaaagaatc tgataccttc ctcccctctc  1140
ttgctctctt cctccctgat catgtgacac acgggttccc ctttgccttc caccacgatg  1200
gaggcttcct gaggccctca acagaagcag atgctggtgc catgcttctc gtacagcctg  1260
cagaattgtg tgagccaaat aaacctcttt tccttatata ttacccagcc tcaggtattt  1320
gtttatagca ataaaaacag actgagacac atgatgaaga ccctttgata tcctataaat  1380
attgatttct ctccctgaga gaagagcatg aatctaagtg atgccattac tctaatgtga  1440
attccacaac tcttctcaaa gatgtggccc atatgttcct aataatggct ttctaagaat  1500
ctgttctgaa ggggtacctt ctctctgatt ttcatttgca tttcctgctt agcttacaca  1560
cttcaccttg cctatccacc tgtcctgacc ccaataacct ccatcatcag acatctcatc  1620
ttacctacct actttctact tttcccagtc cttcccgtgc ttcataaacc atgatcatga  1680
gctagagaca caaggtcata gctaaggagt tgggatcaga aaatcacctt ctgtgatttt  1740
ccattattct caatacataa cttcaacaaa atcaagaaaa tcatgaaagg acatcctaag  1800
gggtcaggtg aggttgcagt ggggttagtc ggtcaatagt ttctttatgc caattaggat  1860
ttctgcagaa aacaatgaaa cactggttta aacagtaaaa atattttaat tccttacaga  1920
```

7290

```
agcccatgga acatacactc caggtttaat tcatcagctc aatagcatca tcaacgactt    1980
aggttctttc cactttctgc ttgtcatctg tgttggcttt attttcaagc tagctcctcc    2040
ctggttgcaa gataattgca gcaggtttag ttatcatatt cggacatgct aacgcccagg    2100
ctagtgatcc cttccttaca tttctttctc attttaagaa caaagtgttt aaaaaattat    2160
acttaaaatt attggcatct ctgtcaattg aaagatgtca atctctttca tttttcctaa    2220
tcactaataa catctactaa aaacaaaatg tctgtgtaaa taatttattt gaataaaatt    2280
aaagttgttg agtgaaa                                                   2297
```

<210> 8732
<211> 1380
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (168)...(1339)
<223> similar to gi402649 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```
    <400> 8732
agccgcaaac ccagcggagg gcgggaagaa ggaggaggcc tctagggtgg tcgggggact      60
gggggccccg ccggcagagg tccctcggcc tcctgactga ctgactgcgg ccgcctccgg     120
ccaggacgct gggagctgcc tgacgggaag gtgcggggag cggagccatg gcctccggtg     180
cgtataaccc gtatatagag ataattgaac aacccaggca gaggggaatg cgtttttagat    240
acaaatgtga agggcgatca gcaggcagca ttccagggga gcacagcaca gacaacaacc     300
gaacataccc ttctatccag attatgaact attatggaaa aggaaaagtt gagaattaca     360
ttagtaacaa aagaatgacc catataaacc tcatcctcat gatttagttg gaaaagactg     420
cagagaccgg ctactatgaa gcagaatttg gacaagaacc gcagaccttt tgttttttcca    480
aaattttggg tattcgatgt gtgaagaaaa aagaagtaaa agaggctgat aattacaagg     540
aataaaggca ggaatcaatc cattcgatgt cccctgaaaa cagctgaatg atattgaaga     600
ttgtgacctc gatgtggtga gactgtggtt tcgagttttt ctccctgatg gacatggtaa     660
tttgagcgac tgctcttcct cctgtgtgtc tcgagcccaa tttatgacaa ccgtgctcca     720
aatactgcag aattaagggt ctgtcgtgta aacaagaatt gtggaagtgt cagaggagga     780
gatgaaatat ttctactttg tgacaaagtt cagaaagatg acatagaagt tcgtttttgtg    840
ttgaacgatt gggaagcaaa aggcatcttt tcacaagctg atgtacaccg tcaagtagcc     900
attgttttca aaactccacc atattgcaaa gctatcacag aacccgtaac agtaaaaatg     960
cagttgcgga gaccttctga ccaggaagtt agtgaatcta tggatttttag atatctgcca   1020
gatgaaaaag atacttacgg caataaagca aagaaacaaa agacaactct gcttttccag    1080
aaactgtgcc aggatcacgt taattttcct gagagaccaa gacctggtct cctcggttca    1140
attggagaag gaagatactt caaaaaagaa ccaaacttgt tttctcatga tgcagttgtg    1200
agagaaatgc ctacaggggt ttcaagtcaa gcagaatcct actatccctc acctgggccc    1260
atctcaagtg gattgtcaca tcatgcctca atggcacctc tgccttcttc aagctggtca    1320
tcagtggccc accccaccca cgaaatcgtc gacccgggaa gtccggtcgg accgagtctt   1380
```

<210> 8733
<211> 548

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(549)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (206)...(548)
<223> similar to gi2197085 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

```
    <400> 8733
cgcaggtcca tgtctaaact aatcagcaaa attcattcca ttggacacag tgattagctt     60
gtggttgtgc acatgaacca atttggatca atgagaacct gaccctgact tttagtgtac    120
tgttggggtg aggtgtactg tctttcctac agaacacaaa cttccagctg tagaaagtca    180
tctcatagtg tcaagaagtg agtctgtcat caacaaaata taggcaaacc aaatctggga    240
acatataaaa agataataca tcatgaagaa gtgggattta ttctaggaat gcaaggttgg    300
ctcaacataa gaaaagcaac aactgaaata taccatatta atagaataag gacaaaaacc    360
acatgatcat cttaactgtt aggaaaaagc atttgacaaa atctaacatt atttcatatt    420
aaaaacactc gacaaactag gaatataagg gaactttttt aatttgatga aaaaaatcca    480
tgaatatcac acagccaaca taaacttaat ggtaaaagac tgaaagcctt cccccctaaca    540
                                                                     548
ttnggaac
```

<210> 8734
<211> 1728
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (189)...(1728)
<223> similar to gi1946992 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

```
    <400> 8734
gccctgcggg gacgcccagc gcagcccagc cccgcgcagc ccagccctgc cctgccctgc     60
cctgccctgc cctgcgcccg gggcgcgccc accgcgccgc atccatgttc gacaccacac    120
cccactctgg ccggagcacg ccaagcagct ccccatcgct ccggaaacgg ctgcagctcc    180
tgcccccaag ccggccccca cctgagccag aaccaggcac catggtggag aagggatcag    240
atagctcctc agagaagggt ggggtgcctg ggacccccag cacccagagc ctaggcagcc    300
ggaacttcat ccgcaacagc aagaagatgc agagctggta cagtatgctg agccccactt    360
ataagcagcg taatgaggac ttccggaaac tgttcagcaa actccccgaa gcagaacgcc    420
tcattgtgga ttactcctgc gccctgcagc gtgagatcct gctccagggc cgcctctacc    480
tctctgagaa ctggatctgc ttctacagca acatcttccg ctgggagacc acgatctcca    540
```

7292

```
tccagctgaa ggaagtgaca tgtctgaaga aggaaaagac ggccaagctg atccccaacg   600
ccatccagat ctgcacggag agcgagaagc atttcttcac ttcctttggg gcccgtgacc   660
gctgcttcct cctcatcttc cgcctctggc agaatgcact gcttgaaaag acgctgagtc   720
cccgcgagct ctggcacctg gtgcatcagt gctacggctc agagctgggc ctcaccagtg   780
aggatgagga ctatgtctcc cccttgcagc tgaacggtct ggggacccccc aaggaagtgg   840
gagatgtgat cgccctgagc gacatcacct cctcggggggc agctgaccgc agccaggagc   900
caagcccagt gggttcgcgc cgtggccatg tcacgcccaa cctttcccga gccagcagcg   960
acgcagacca tggggcagag gaggacaagg aggagcaggt agacagccag ccagacgcct  1020
cctccagcca gacagtgacc ccggtggctg aaccccccgag cacagagccc acccagcctg  1080
acgggcccac caccctgggc cccttggatc tgctgcccag tgaggagcta ttgacagaca  1140
caagtaactc ctcttcatcc actgggggagg aagcggactt ggctgccctg cttcccgacc  1200
tctccggccg cctcctcatc aactctgtct tccatgtggg cgctgagcgg ctccagcaga  1260
tgctcttctc ggactcgccc ttcctccagg gcttcctaca gcagtgcaag ttcacagacg  1320
tgacgctgag cccctggagt ggggacagca agtgccacca gcgccgggtg ctgacgtaca  1380
ccatccccat cagcaaccca ctgggcccca agagcgcctc cgtggtggag acacagacgc  1440
tgttccggcg cggcccccag gccggcgggt gtgtggtgga ctccgaggtg ctgacgcagg  1500
gcatcccccta ccaggactac ttctacactg cccaccgcta ctgcatcctg ggtctggccc  1560
ggaacaaggc gcggctccgg tgagtggtgg ctgggcccct ccacccgatg ccctggtggc  1620
cccagggcct cctgtccact cctcatgtca gcagcagagc cttggttccc accctggtgg  1680
                                                                  1728
aggaacagaa gcgtgggggtt cctgaggccc ttgtcctccg aatagtgg
```

```
<400> 8735
gaacaaataa gacagtaaat ctagaaaaca agtagcaaaa tagcaaatat aaacccaccg    60
tgtcaataaa gtgaatatct aaacatgcca aaccaaaggc agattctgtt aagctggatc   120
ttctgtgcgt gagagacaca ccttaaattc aaaaacacaa acagattgaa agacaaagga   180
tggaaaagga taaaccatac taacagtaac cacgaaagag ctggagtggc aatattaaat   240
atcagacaaa atggatatta agatagattt actaggatct gacacatgtt tcatagtgat   300
agtacagggg tagctgtaac agttacaaat gtatatgcac taataatgac ctcaaaatat   360
                                                                    386
aggaaacaaa actgaactga attgaa
```

```
      <400> 8736
aaaggaagaa attataccaa ttctctgaaa tctctttcag aatataaaag cagagggaat     60
acttcctaac tcattcaatg aggctagaat taccctaata ctaaaacaaa acagacatta    120
caaggaaaat aaaccctata gaccaatctc tcatggacag acatgcagaa atccttaaca    180
aaatatcagc aaattgaatc cgataacgta tgaaaagaat tatacaccat ggccaagtga    240
gatttagcta aggtatgtgg ggttggttca acattagaaa acaaattaat gtaatccatc    300
acacccatag cctaaagaag aaaaatcaca tgatcatatc aataaatgca gaaaaagaat    360
ttgacaaaat aagaaaactt cctaaactta ggaacatcta caaacaaaac atatagttaa    420
catcataagt aatggtgaga aactcaa                                        447
```

```
      <210> 8737
      <211> 1140
      <212> DNA
      <213> Homo sapiens
```

```
      <400> 8737
tttttttttt ttaaaaaatc aataaacatt tatttgatac agtcatttta atacatacag     60
tgatggcccg tccccacgcc actcgggacc agggcgcggg gcggggacga ggaccgggga    120
cagatggtca caaggcgggc ggggcccgaa ctcaccgttg aaacatctcg caaataaaca    180
ctttgtagat agaatatata tgtatatata tatggttaca agtgatagct ggaacctctt    240
tcaaaatgca cttatgtact gagaactggc attaaaaaac ccaaaccaag aaacccaaag    300
cacgggacgc ccggccgcga ggcaggggaa agcctggggc cccagacccg ggcctggggg    360
agccgcctgg ggccccgcca aacgcggcac acggggacgg cccctcccgg ggtcaggctc    420
actggctcct tcccttcagc gccaccaggc aggagggcca acggtcacac aggaggcacc    480
ctcacctgcc tttgcaccag caaataaagt gcatcccatt ttcgtgtgag cgtcggcccg    540
gtgagtcagc ccttccgggc cctttcctgt tctcagggca gggggcgtgc gctgagccag    600
aggtagatct gcagaaaggg ccccgactgg gcctcgggca gggccggcgc ccaccacact    660
ctgggggtca gctatgctgg tccctctcac tgagggctcc tggaggccta tgtgggccag    720
cgtagggagt gggcagaccc tgctgagctc cacccagggc cccacccctt gggaggaggg    780
ctctgcggac cagcatgtgg cagagggagg gcagaaagga gggggtcaga cccaacagcc    840
acttctggca gtagcccca cgcctacctt aaagacaaag ggggttaaag tgttaaacat    900
caaggtatcc aggactcctc ttcccacacc agggattatc tgtgggcttt gggagtgtcc    960
cggaaactca cccccagcaa aaaccagacc ctcttctctt ctccccaagg gccaagtacc   1020
tgagaggctg gggcaggcac cacaccctgc aggtgttcag gtccaccctc ctcccgccat   1080
tggtggcaag gacaaagtgc acctaggccc acgcccagtg cctgctcccc tcccctcccc   1140
```

```
<210> 8738
<211> 530
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (92)...(531)
<223> similar to gi2072953 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




<400> 8738
gtggtaacgt ttgagtccca ccaaaccaca attataaaca ataagaaaga aggaaacaaa      60
ggatatacaa aaccagaaat tatttaataa agtgacagga ataagccctc acatatcaat     120
agcaaccctg aatgtaaatg aattaaactt tccactggaa agacagagac tggctgaatg     180
gatttaaaaa aacattactc aactatatgc tgtgtacaag aagctcatcg cacctgtaca     240
gacacatata gacttaaagt acagggatga aaaaagatat tccatgcaaa taaaaaccaa     300
aagcaagcag gactagctat acctatatca gataaaacag actttaagtc aaaaacagta     360
aaagacaaag agagtcatta tataataaca aagggattaa ttcatcaaga ggctataaca     420
cttctacata catctgcacc ctacaccaga gcactcagat gtataaagca aatattatta     480
aatctaaagg gagagacaga cttcagtata ataatagctg aggacttcaa                530




<210> 8739
<211> 1888
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (308)...(1853)
<223> similar to gi4559353 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




<400> 8739
tttcgtggtg gcagggtggt ggatctgttg gtcccgtttt cccgtcgcac gtggtggcca      60
ctgttggctt ctgaatggtt tgcaaggcgg atatccacgc caaggccttt ggatcggccg     120
tgggtacatc cgtctgagcc gttcctttcc atcgcagagc ggcggcctcc ggcggcgctc     180
tccagtcatg gactaccggc ggcttctcat gagccgggtg gtccccgggc aattcgacga     240
cgcggactcc tctgacagtg aaaacagaga cttgaagaca gtcaaagaga aggatgacat     300
tctgtttgaa gaccttcaag acaatgtgaa tgagaatggt gaaggtgaaa tagaagatga     360
ggaggaggag ggttatgacg atgatgatga tgactgggac tgggatgaag gagttggaaa     420
actcgccaag ggttatgtct ggaatggagg aagcaaccca caggcaaatc gacagacctc     480
```

7295

```
cgacagcagt tcagccaaaa tgtctactcc agcagacaag gtcttacgga aatttgagaa      540
taaaattaat ttagataagc taaatgttac tgattccgtc ataaataaag tcaccgaaaa      600
gtctagacaa aaggaagcag atatgtatcg catcaaagat aaggcagaca gagcaactgt      660
agaacaggtg ttggatccca gaacaagaat gatttttattc aagatgttga ctagaggaat     720
cataacagag ataaatggct gcattagcac aggaaaagaa gctaatgtat accatgctag      780
cacagcaaat ggagagagca gagcaatcaa aatttataaa acttctattt tggtgttcaa      840
agatcgggat aaatatgtaa gtggagaatt caggtaagtt cagatttttc cctccagttg      900
gtttaatttc tatttcctaa aacattaaaa taataatgga atgattgaaa taataaacat      960
ttttcttatt caagatttcg tcatggctat tgtaaaggaa accctaggaa aatggtgaaa     1020
acttgggcag aaaaagaaat gaggaactta atcaggctaa acacagcaga gataccatgt     1080
ccagaaccaa taatgctaag aagtcatgtt cttgtcatga gtttcatcgg taaagatgac     1140
atgcctgcac cactcttgaa aaatgtccag ttatcagaat ccaaggctcg ggagttgtac     1200
ctgcaggtca ttcagtacat gagaagaatg tatcaggatg ccagacttgt ccatgcagat     1260
ctcagtgaat ttaacatgct gtaccacggt ggaggcgtgt atatcattga cgtgtctcag     1320
tccgtggagc acgaccaccc acatgccttg gagttcttga gaaaggattg cgccaacgtc     1380
aatgatttct ttatgaggca cagtgttgct gtcatgactg tgcgggagct ctttgaattt     1440
gtcacagatc catccattac acatgagaac atggatgctt atctctcaaa ggccatggaa     1500
atagcatctc aaaggaccaa ggaagaacgg tctagccaag atcatgtgga tgaagaggtg     1560
tttaagcgag catatattcc tagaaccttg aatgaagtga aaaattatga gagggatatg     1620
gacataatta tgaaattgaa ggaagaggac atggccatga atgcccaaca agataatatt     1680
ctataccaga ctgttacagg attgaagaaa gatttgtcag gagttcagaa ggtccctgca     1740
ctcctagaaa atcaagtgga ggaaaggact tgttctgatt cagaagatat tggaagctct     1800
gagtgctctg acacagactc tgaagagcag ggagaccatg cccgccccaa gaaacacacc     1860
acggaccctg acattgataa aaaaaaaa                                         1888
```

```
        <210> 8740
        <211> 3299
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1461)...(2771)
        <223> similar to gi2224557 in the genepept database release 114,
              Run with FASTXY 3.3t00, default parameters



        <400> 8740
ttttttttttt ttccttttca cctcctggag tcctggactt ccccacatct cccctgcccc      60
tcccacgttt ccatagtcca agggccagag taaatgaaaa tacagcagcc gcccaagcaa      120
tggggcccat gctggggctt cagtcatcag catcttcact ggagtctgag ttagctggca      180
tcataggatc atcaatgagt gagaagtccc tttctgagct atcatagccc tgagataagt      240
catcatcatc ttcttcatcc tcatcgtcat cctcctcagg ttgcagtggt ggcaaccgca      300
aggtagtacc agaggcggta gtcactggtg aagaggggta gccaggggct ctcaagcctg      360
gatggtgatg gtggtgatgg tgggggtggg ggtggtggtg gtggtgatga agcatggtgc      420
tggagtctac atgaggggat gatggtgcac cacccatcac aaatggcata aaaggcaaag      480
atgcagaagt ggcactgctg tgacccaaag atgacacaga ctgtaggcca ctactgctgt      540
gttggaacgt gttatgcaga gatagagacc cagtgcttcc accctgcatg agggccatca      600
tcttagaaag gtctggtcgc atcctacggg cccgcttctt gctgctctct ggtgcaatag      660
gccctggcaa aacccggttg aacaccgttt cagtgtgatg accctttttc ccatttctag      720
agttagctgt ctgtactggt tccattccca aacagttcaa ttctgcctta ttattttttt      780
```

7296

```
tttacatctt tgccacttct gtttttatgcg atcctccata tacgctagaa atcggggatc      840
aacagcaaac tctggatgac cctgtaacca catctccagt tcagcccggc gaggggcatc      900
ctcacccacc agcaaagtac catccacctt attgatgaca gggatccggg tctccaggtc      960
cacatcaagg tgattaggct cttccatgca ctccacctcc agctctacta gcttctttct     1020
gttccccttc ttcttatgaa acagtggatg tccatctccc attactccat tcgccatcaa     1080
cttgtgcttc tggaatgtta acttcaatcc ttcctcatct ttgatttgaa ctgtaaactc     1140
cttttcatcc atgcctcggc gaagtttggt gaactgggct gccgctgtgc tgactgcaga     1200
tgcttcctcc tctgccatgg aagctgcact actacttcgt ggtgtgggga ctggagagtc     1260
accatattct ccaggagtca atgagggact gtctaataaa tggttgcctg gggccaaaat     1320
tcctcctgtt accatttcct ggctcctacg gctagaaggc cacttccctg agagtacagc     1380
ctggcagacg aggtcaatac ggtttatcag gacacgatcc ttggccctgc agaacgtggg     1440
gaccggcgaa ggcgcgttgt gaagcagcct tcaagctgaa agaaattgca cggcgggaga     1500
aacaacaacg atggacaagg cgtgaacaaa ctgattttta tcgagtggtg tctacgtttg     1560
gtgtggaata tgaccctgac accatgcagt tccattggga tcgcttccgc acttttgctc     1620
gactagacaa aaagacagat gaaagcctta ccaagtactt ccatggcttt gtggccatgt     1680
gccgccaagt atgccgcctt cccccagcag ctggagatga accccccgac cctaacctgt     1740
tcattgagcc catcactgag gagagagcct cacggactct ctaccgtata gaattgcttc     1800
ggcgcttacg ggaacaagtt ttatgccacc ccctttttgga agatcggctg gcattgtgtc     1860
agcctcctgg tcctgaattg cccaaatggt gggagcctgt tcggcatgat ggggagcttc     1920
taagaggggc agcccgccat ggggtgagcc aaacagactg caacatcatg caggacccag     1980
acttctcttt tctggctgcc cgtatgaatt atatgcagaa ccatcaagca ggagcaccag     2040
ctccatcctt gtcacgctgc tctactccac tgctgcacca gcagtatacc tcacgcactg     2100
cctcaccact gcccctgcgc ccagatgctc ctgttgaaaa gtcacccgag gagacagcta     2160
cccaggtccc cagtctggag agtctgactt taaagctaga gcacgaggtg gtggccagga     2220
gccgaccaac cccacaagac tatgagatgc gagtatcccc ctctgatact acccctctgg     2280
tttcccggag tgttccacca gtcaaactgg aggatcagga tgattccgga ctctgagctg     2340
gacttgagca agctgtcacc atcttcttct tcttcctcat cctcatccag ctccagctcc     2400
agcactgatg agagtgagga tgagaaggaa gagaagctaa ctgaccagtc ccgctcaaag     2460
ctctatgatg aagagagtct cctgtccctc actatgtccc aagatggatt cccaaatgaa     2520
gatggagaac aaatgacccc tgagcttctg ctactgcagc tgcagcctct atcttcattt     2580
gttctctctt gtagctgcgc tgatacgctg ttactagacg ccgaagccta gctgttaggg     2640
cagagcgagg ccagaataaa tggcctggct gttgggtcac ctgggcttca tctccatcaa     2700
tcactgagat ctcctcatcc atcatcatca agggatcacc ctcatcatct tggtcctttg     2760
ggggaccttg gagtggttta tatcaggatc ttcacaatct ttatcaagtc aacccttcta     2820
ctatgtcaga gaagttatcc aacactcgat gttctgctgc aattgctttg tcatctggtc     2880
ggccagcctt ttctaggaaa cataaggctg ggtctgccct catggtatta tatttctcat     2940
agccatgttt aaagactcca atgagcagcg acttgtcagc ctcatctgtc ccaccaagtt     3000
gttggaacct ccagttgatc cactactggg aaccatatgt caatctcact ggcaatcgca     3060
cccctaaca ccttttctgc ttggtctcca taacctcctg cctcaggtag atagcattcg      3120
tacccgcaac agtacctggt tacactgatg tttcaagtgc ttcttataac tttcatcttg     3180
gaacaaagtg tcagggttat atttccggat ccaatctgcc ttatggatat caaaagtgct     3240
ttatgacttt acttttttc ctttgcgtcc acgaggcaca gggatagata gacctgaat      3299
```

<220>
<221> misc_feature
<222> (45)...(659)
<223> similar to gi4176500 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8741
cggtggaatt ggcccaggat gacagctggt gaatggagtc agttttatcc aagtatgaag   60
atcagattac tattttcact gactacctag aagaatatcc agatacagat gagctggtat   120
ggatcttagg gaagcagcat ctccttaaaa cagaaaaatc taagctgttg tctgatataa   180
gtgctcgtct atggtttaca tacagaagga aattttcacc aattggtgga acgggccctt   240
catcagatgc tggttgggga tgtatgctac gctgtggaca gatgatgctg gctcaagccc   300
ttatctgtag acacttggga agggactgga gctgggagaa acaaaaagaa caacccaaag   360
aataccaacg catcctacag tgcttcttag atagaaaaga ttgttgctac tctatccatc   420
aaatggcaca aatgggtgta ggagaaggga aatcaattgg agaatgggtt ttgggaccaa   480
atacagttgg cacagggtgt ttaaaaaaac ctggccttta tttgacgaat gggaattccc   540
ttgggctggt ttatgtttca atgggataac cccagtgggt ccattgnaag atttccaaaa   600
aaattgtgcc gtgtccttcc ccttgagtgc tgacacagct gggttgacag ggcctncccg   660
attcct   666

<210> 8742
<211> 1433
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (347)...(1333)
<223> similar to gi306316 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8742
gcccctttca ggccccagcc cctttgccat gggtagagcc caaactggga acggtgaaga   60
gctgctccct tgattgatct gtcctcctct acatgggccc cagctccttt cagaatatca   120
gatgtccaac atttcccttc tggctctttt tagctcccaa gtatctgctt ccttaaaggc   180
cctgagtcac ttcttctctc tttgcttcag actggcccgg gagcaagcgc gagtgtgcga   240
actgcagagt gggaaccagc agctggagga gcagcgggtg gagctggtgg aaagactgca   300
ggccatgctg caggcccact gggatgaggc caaccagctg ctcagcacca ctctcccgcc   360
gcccaaccct ccagctcctc ctgctggacc ctccagcccc gggcctcagg agcccgagaa   420
ggaggagagg agggtctgga ctatgcctcc catggccgtg gccctgaagc ctgtattgca   480
gcagagccgg gaagcaaggg acgagctacc tggagcgcct cctgttcttt gcagttcctc   540
ctcagatctt agcctcctgt tgggcccctc ttttcagagc cagcattctt tccagcccct   600
ggagcccaaa ccagacctca cttcatccac agctggggcc ttctctgcac ttggggcctt   660
ccatcccgat catagggcag aaaggccatt ccctgaggaa gatcctggac ctgacgggga   720
gggcctccta aagcaagggc tgccgcctgc tcagctggag ggcctcaaga attttttgca   780
ccagttgctg gagacagtgc cccagaacaa tgagaaccct tctgtcgacc tgttgccccc   840
taagtctggt cctctgactg tcccatcttg ggaggaagcc cctcaagtgc cacgtattcc   900

```
accgcctgtc cacaaaacca aagttccctt agccatggca tccagtcttt tccgggtccc      960
tgagcctccc tcctcccatt cacaaggcag tggtcccagc agtggttccc cagagagagg     1020
tggagatggg cttacattcc caaggcagct gatggaggtg tctcaactgt tgcgactcta     1080
ccaggctcgg ggctggggggg ctctgcctgc tgaggatctc ctgctctacc tgaagaggct    1140
ggaacacagc ggcaggactg atggccgagg ggataatgtc cccagaagga acacagactc     1200
ccgcttgggt gagatccccc ggaaagagat tccctcccag gctgtccctc gccgccttgc     1260
tacagccccc aagactgaaa aacctcccgc acggaagaaa agtgggcacc ctgccccgag     1320
tagcatgagg agccggggggg gagtctggag atgagccccc ctaccctctc tcctctttgt    1380
tctctcattg ttgttatttt aataaatgct cagtagtctg aaaaaaaaaa aaa           1433
```

```
ctggagtttg actacatgtg ccagtatgac tatgttgagg ttcgtgatgg agacaaccgc       60
gatggccaga tcatcaagcg tgtctgtggc aacgagcggc cagctcctat ccagagcata      120
ggatcctcac tccacgtcct cttccactcc gatggctcca agaattttga cggtttccat      180
gccatttatg aggagatcac agcatgctcc tcatcccctt gtttccatga cggcacgtgc      240
gtccttgaca aggctggatc ttacaagtgt gcctgcttgg caggctatac tgggcagcgc      300
tgtgaaaatc tccttgaaga aagaaactgc tcagaccctg ggggcccagt caatgggtac      360
cagaaaataa caggggcccc tgggcttatc aaccgacgcc atgctaaatt ggcacccggg      420
tggctttctt tttgacan                                                    438
```

<400> 8744
```
cccattgaac ctgaacaaaa gtcgttcccc agggtgggcc aagttaaccc cctcccgccc      60
ggaagccata aagagaaatt tctgaaggag gccccgggtg aaaaaaaagc cagcccctt      120
gaagattggg ccaattaatt tcacccagaa agagtgggcc tgtctagatg ccagccagag     180
ggtcctttcc agggatgtta tgtcggaaac cttaagaatc taacatctgt gggtgtgaaa     240
gatctgagtc actaagctca gtggtaaaga gaagaaatga tagcctgcat gaaggcaaag     300
ataactcttg taacatgatg acagtgttct caaaatatgc aaattttcc attcatcaaa      360
caaatattta ctaagtcact cctgagaacc agccagaatc tttctgcata agccagagct     420
aatcaccaag cttgagcaag aagaggaaca gtggagagag tttgtccatc tcccaaacac     480
agaaggcctt tcagaaggca agaagaaaga gcttcgagaa caacatccca gtctgagaga     540
tgaggggact agtgatgaca aggtcttcct tgcatgcaga ggggccggcc agtgcccct     600
atctgcccca gctgggacta tggacaggac ccgggtgctt caagcatccc aggctgggcc     660
accctttttt ttgctacacc tgtggcaaat gtttcagcag gcgctcctac ctctatagcc     720
accagtttgt tcacaatccc aagctgacta acagctgcag tcagtgtggg aagttgtttc     780
ggagccccaa gtccctcagc tatcacagac gcatgcatct tggggagagg cccttctgtt     840
gcacgctctg tgacaagacc tactgtgatg cttctggact aagttgtcac cgccgcgtcc     900
atctgggtta ccggccccat tcatgctctg tgtgtgggaa gagcttccgg gaccagtttg     960
agctcaaacg ccaccagaag atacaccaaa accaggagcc agtggatgga aaccaggagt    1020
gtactttgag gattccaggc acccaggctg aattccagac acccttcgcc agaagccaaa    1080
ggcggacgcg tggg                                                      1094
```

<210> 8745
<211> 796
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(797)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (352)...(796)
<223> similar to gi1542885 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8745
```
gcagtcactc gcgcatgatt taaatatggt caccccaaaa aagagctcct ttcttggcca      60
caccaaccaa tancccnttt tttcctataa gggttttttcn nnnnnnnnnn nnnnnnnnnn     120
nnnntatgtg ttgtcgtgtc ttcttggtca gggcccgcag gctgtgtagc acatgctccc     180
agcttctgag gaggatcccg agtggggggag aaaatgcttc tggggcacca cagagccctt     240
ccttgttggg gggctgacga gatcccgcaa agcctcccac ttcgatctgc ctctaatgtc     300
tggcgatggg gggtgggaca gcaggccct gtggcccgcc cgcgagcaga caaacctgag      360
gctgaagaga atgtgagtgg agaccacaca ccaccctaag agtgggggtc cccacagcac     420
ctaaagtggc aggacgtgcc ctcgggtaga ggcacagtga ggctgtgcgg gcaacacagg     480
```

7300

```
caacctcctc cgccagaacc ggggacgcct cgcaacctcc tccaccagca cgggggacaa    540
cctcctccgc cagaaccggg gacaactggc aacctcctcc accagaagcg gggacaacct    600
cctccaccag aaccagggac aagctcctcc cccagaacca ggggcgcctc gcaacctcct    660
ccaccagaac cgaggacgcc tggcaacctc ctccaccaga accgaggacg cctggcaacc    720
tcctccacca gaaccgggga tgcctggcaa cctcctctac cagaaccgag gacaacctcc    780
tccaccagaa ccaggg                                                    796
```

```
        <400> 8746
cccacgcgtc cgatttaggg ggtataagta cagatttctt acatgcatat attgcatcgt     60
ggtgaagagg gggcagttcc ttttgattgc tgagtagtat tccatggtat ggatgtacca    120
cagtttgctt aaccattcac ccactaaagg acataagagt tgttttcagt tttttgccct    180
aataaagctg ctgtgaacat tcatgtacag gtttttatgt gaacatacat tttcattttc    240
tgggataaat gctcaaaagg gcaactgttg ggttgtatgg taaacacata tattttgta    300
agaaactacc ctactctttt tccagagtgg ctctactttt tacatacagc cactcataca    360
attcagacag caatgtatga ttgatccagt ttcttcacat cctcaccagc atttggtatt    420
actactattt tttatcttaa ccattcacat agatgtgtgt aatgatacca catgtggttt    480
taatttgcat ttccaatggc taatgatgtt gagtatcttt ttgtgtgcta atttgccatc    540
tatgtatcct cttcggtgaa atgtcttcat gtcttttgtc tattttctat ttaggtcatt    600
tgttcttttt actattgagt tttgagaggt tttttatata tcctagataa aattcctctg    660
ttagatatgt ggttgcttga atttttaaca taacttctac caaggaaaaa taagtaaaat    720
ttccaaccct tgcatggcca gtcacttact taattcctgt ccttcagtgt tccatctaga    780
gaattaagag atatgatgta taaaatagac atcgagggcc attaagagag taaatactta    840
aaaatacatg ttatgaaagc aaagccaata atcactgtag gagtatgagt tgcctaaggg    900
ccaaaactaa tgtaaataag agaaagtgtg gatataaatg accattgttt ataaacagtt    960
atgaaaaatg ctgtgacttg aaatctttcc cacatctccc aagaaagtag gtaggagttt   1020
atcctttccg taatctcttt ttaaccctgc tgactattac agggcttgtt taatcacagt   1080
ggcaagaatt acatgtatct tacagtaaag aaacagaata ctggaatcgt tagagaaccc   1140
tgatgtgttg acctggataa agtacaaagg tggaagaggg aatgagttat gctgttaaaa   1200
tctcaggcta ttctgttaat gttcctgcta ctatgaaccc aaacttttt tttccccctt   1260
ttgactcctt gtgtcttcct ctcctgtggc ataaaagtag ttctgtcgtt aacttgtaca   1320
acattgccat ctgctgttga gaattggtag gtactgcttc tgagaacctg gctgcagatc   1380
cttagcatag gcagcaaatg ttgagaaagt ctatctgtag tattacatat actaagttac   1440
agaggatgca ttcaagtaga gaaaataata tgtgggttaa gatacatcct taaacttttt   1500
tttttggggg gggggggggac ggagcttgct gcaacgcccc aggctggagt gcaatggcac   1560
tatctcagct cgctgcaacc ttcacctcct gggttcaagc aattctcctg cctcagcctc   1620
ctgagtagct gggaatatag gtgcacacca ccatgcctgg ctaattttg tattttcagt   1680
agaagcagag tttcaccata ttggccaggt tggtctcgaa ctcctgacct caagtgatct   1740
gcctgcctca gcctcccaaa gtgctgggat tacacgcgtg agccaccaca cccagcctcc   1800
atctttaaac ttttaaatgt gaaatttcta tcatgtaccg ttagcctaac aagatttct   1860
```

```
ttcctatttc tgactggtgc ctttcccctt tttaggagca acgaaagcta ctctcttagt     1920
tatgttcttg tgatgtgaca aaatgtcaag aagataggag aagagaatat tttatttcgt     1980
tgatgctttt gttcccaagt gtgaccctaa acttaagctt tgtaggagtt gacattcttt     2040
catgtccctt ccctttactc atgccgaaac tatcaactgg gacattttgt gcttttggtt     2100
taaaagttaa ttgatattat actttggttt tatctaaaaa gtaaatgtat ttgcctttga     2160
caaaagactg acacaagagc aaataagctt taaaatcggg tgttatgtgc tttcctccat     2220
ttttgagcat attatccaaa atggtctgta taatataaat gagaatgatg cagtttaagt     2280
aagccttgtt ataccattgt catggacccc tgtcataaag ccatttcttg gtttgtttgg     2340
gaaagaggca tatgggattt atacagattc acttgtaaat gttggattgg ggattttgt     2400
gtaaattttc tcaaataaag gctagcagaa accaaaaaaa aaa                       2443
```


    <210> 8747
    <211> 1397
    <212> DNA
    <213> Homo sapiens

    <220>
    <221> misc_feature
    <222> (405)...(781)
    <223> similar to gi2801413 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters

    <400> 8747
```
gcagtatgtg tgagcatgtg tgtgtgtgta tgtgtgtgtg ggggggtgta aaatgtgttt      60
ttcaaagtac tgagaggttg atgggactgt tcgattagct cctctgagaa gaagagaaaa     120
ggttcttgga cctctccctg tttcttcctt agaataattt ggatgggatt tgtgatgcag     180
gaaagcctaa gggaaaaaga atattcattc tgtgtggtga aaatttttg aaaaaaaaat     240
tgccttcttc aaacaagggt gtcattctga tatttatgag gactgttgtt ctcactatga     300
aggcatctgt tattgaaatg ttccttgttt tgctggtgac tggagtacat tcaaacaaag     360
aaacggcaaa gaagattaaa aggcccaagt tcactgtgcc tcagatcaac tgcgatgtca     420
aagccggaaa gatcatcgat cctgagttca ttgtgaaatg tccagcagga tgccaagacc     480
ccaaatacca tgtttatggc actgacgtgt atgcatccta ctccagtgtg tgtggcgctg     540
ccgtacacag tggtgtgctt gataattcag gagggaaaat acttgttcgg aaggttgctg     600
gacagtctgg ttacaaaggg agttattcca acggtgtcca atcgttatcc ctaccacgat     660
ggagagaatc ctttatcgtc ttagaaaggt aaacccaaaa agggtgtaac ctacccatca     720
gctcttacat actcatcatc gaaaagtcca gctgcccaag caggtgagac cacaaaagcc     780
tatcagaggc cacctattcc agggacaact gcacagccgg tcactctgat gcagcttctg     840
gctgtcactg tagctgtggc cacccccacc accttgccaa ggccatcccc ttctgctgct     900
tctaccacca gcatccccag accacaatca gtgggccaca ggagccagga gatggatctc     960
tggtccactg ccacctacac aagcagccaa aacaggccca gagctgatcc aggtatccaa    1020
aggcaagatc cttcaggagc tgccttccag aaacctgttg gagcggatgt cagcctggga    1080
gagatggact catggaaacc tggatcggtc cttttagatg aaggacttgt tccaaaagaa    1140
gaattgagca cacagtcttt ggagccagta tccctgggag atccaaactg caaaattgac    1200
ttgtcgtttt taattgatgg gagcaccagc attggcaaac ggcgattccg aatccagaag    1260
cagctcctgg ctgatgttgc ccaagctctt gacattggcc ctgccggtcc actgatgggt    1320
gttgtccagt atggaaaaaa ccaaaactct cagctttata cctcaagaca cgctcgaatt    1380
ctcgggccgg gaattcc                                                    1397
```
```

7302
```

<210> 8748
<211> 373
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (41)...(257)
<223> similar to gi4581122 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8748
ccgagcttgg gtcatggcgg cgccgggcgc gctgctggtg atgggcgtga gcggctcggg   60
gaaatccacc gtgggcgccc tgctggcatc tgagctggga tggaaattct atgatgctga   120
tgattatcac ccggaggaaa atcgaaggaa gatgggaaaa ggcataccgc tcaatgacca   180
ggaccggatt ccatggctct gtaacttgca tgacatttta ctaagctgtg actaccagga   240
aggcctgagg tcatttgtga gtgaacagat ctatgggcaa gtaccctagg tagccccact   300
taacagatga tgaactgacg ctcagagaga gatgtagcct cgggacagcg tgtggttcta   360
gcctgttcag ccc   373

<210> 8749
<211> 1157
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (251)...(6)
<223> similar to gi347457 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8749
ctggggagga ggggcggggg gagaccgcga aggtgaaggt ggaggccgac cagtaggctg   60
cagaccaggg acatgggtta gttaaggcgg aggtacgagg ccgacccggg gagggggacg   120
gggtggggaa acggaggcag gggacagaag aggggagatt gggggagaga tgacagctgc   180
agggatggtt gtgagccgct agtgatggag agcagaggga gagggccagg ctccagactc   240
ccacacgccc acacagcacc tctgccaggc ctaggagagg acaggtgcag ctcttgcagc   300
tctgcgggtg tgcggccaaa ggcaaggccc acgggctgga tgtcacttcc ccgactgtct   360
cttggttggc ttgtccttgt gcaagaccca gcctgtcacg acagagcctg ggcacttcag   420
aggaggagcc aggatcgaat ggaaggggg aattggggtc caccatagtc ttctgctctg   480
gtcctccacg ggtggaccag gatggagtct cctgcctacc tcactgcatt gcactggacc   540
tgggatgcct atccaccctc tggcagaaga cactcaccag gttatctgtg aagagactct   600
gggatcccat cacctcaaag ccagagggtc cccaagtcac cgctgagagc acttgagcct   660
caaggatgta agcctgacca taggatcttg actccaacag cggcaacccc cacccccatt   720
gtggtccgtc cttaacccat ccactcttct tcggaggcaa ctgagaacac ataaagcaag   780

```
cagctaccta gcatccccct cctaaagctt tagactcaga gcccagggtc ccccacaagc      840
ctcaaggtag cctcaggttt ctctaatttc ctccactccc agttcgaagc aaacagctta      900
ctgcctagtc cccgccaatc ccaagggcgg gctggctgat ggcagcatgg tgggctggcc      960
tgggtgtgga gtgaaagagt cactgtggtg ggggcgagag gaggacttgg gagctggagg     1020
tgtgacacct tcagttctgt tcctattaaa ggaccttctg aagggcttct ctgtcggtct     1080
tgtattcgga ttgtccgctt tggggagatg ggggaggagg ggcctcacca tggttttgcc     1140
accagcagtc agttgca                                                    1157
```

<210> 8750
<211> 1014
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1003)...(1014)
<223> similar to gi19929 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8750
```
ctcgtccaaa acacttgttc cctgctgaaa ctccaacaat ttgcagatac ttctgggaac       60
cccaggcgtc agtctcctca tctgtaaagg agagagaacc gatgacgtat caggcataat      120
ccttgatgag agtttgctgc gtgcctactc agtgccaggc gctgggggac acagccgtgt      180
tcaggacagc cttggtcctg ttctccggga gccgacattc caggggagg gaagtttcct      240
gaagacttcc atgctgcgtt ccctctgctc ctgctcctgg cgccatccta ggagccagcc      300
atgcacgcaa gcgtcatgcc tccagggctc tgactgccca gcccctcacc gcaactccac      360
ctcagctgca cacaccttg gcacatcctg aacctcattt tcatgacgga cacacaattt      420
ttgctctctc ctgtccaagc ctcatcctct ggccgccacc tccttccagc tcacttcctt      480
tagtgcggcc agtaccgccc ctgcctaggc atgtcgacct gcagggaccc ttttctggct      540
cttcgaggcc tctgcccacc atcccctctt tgttctccat agtcccttcc ccctgttctc      600
tctcgtttca tcttactggt ctggcaaagt ccccggcctt gggcgagccc agacctcctc      660
agtgcctgca cacagctgcc cacagccaga gaaatccatt taagcagact gcctgcatcc      720
ttcttaacag tgcaaggcag gcactccctg ccacaagaga ccctgttccc tagtagggca      780
gcttttctcc tccccagaac ctcctgtcta tccccaccca atgtctcctc acaggcatat      840
tggggaaaca ggtcaggctc tcccaccgta tctgcaagtg tactggcatc catctgtctt      900
cttcctaccc ctacagtaga aacagtgtct gtcccagct gtgctctgat cccggctcct      960
ttcacctcag agcttggaaa attgagctgt ccccactctc tcctgcgccc attt           1014
```

<210> 8751
<211> 1475
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (775)...(1399)

<400> 8751
```
tttttttttgc agtctttatt gttttatttt gttttttaaaa gatgggggatc ttgctatgct      60
gcccaggctg gtctcaaact ccgggtctca agcgatcctc ccacctgggc ctcccaaagg     120
tttgggggtga caggcgtgag cccccgtgcc cagcctcctt gcagtccaga cagctgactc     180
aggctggggga ggaaccaggg caggcaccct gagaggtggt ctcagtgggg tacgtggtcc     240
accagcctgt gtcggagaat cagactcctt aagttcacgg tcttcccaga cgtctggttt     300
tgcctgctcc atgaatgata catcaagaca ctgaggccca gagggtggag aggatgtgtc     360
cacagtggca gagggagcag ggctcagtgg cattggagca agccttctgg cacccactca     420
gggcctggct cccagagcac cgggtctcag tcactggggc ttaggccggc ccagacgggc     480
ttgcagctcc tgcatcatgc cagggtgcgc gaggccaaac ccgtgtccca ggggccttct     540
cctggctggc accggggtcc catcatgcct cagagggctt ggctccaggg gttcctccag     600
ctggaggggt ctctgctcag gagctgacag ctcctcctca ggagggttgg gggctgggggg     660
ctcctcctgc tgctcccagg ccggagtccg acgaaaagag ggccgggagc gacgctgtga     720
ggagcttctc gagaggtgca cgcgactcct tgggacagag acgtctagga gggacccggg     780
gagcggggcc tcgctccagc tgttggcagc acctcctctg gcactgccca tggcctcagc     840
cgtctcggct tccccgactg actccggcgc agcttctgca ggggcctggt gtgttggctg     900
ctcctcctgg cccctgacat gttccaggct ttctggctca gtctccttgg cctctgccct     960
ccggcccccg gtcaccatga gaccctctgc atcaaggagc cttggtgcct ctccctcagg    1020
gtggtagtcc ccacaccgcc cctcactgtc ttccctctgt tctctctcct gccatccaac    1080
agcctcttct tccaacagcg tccacttttc tagaagcccc ccagcctcca ccatggctcc    1140
catcccctct gccctcgctg tctgggagcc cgcgggatcc agcccacagc tgtcctctgc    1200
gcctgcagat tcctcggcct ctacccgccc tccccaaggt cctccctacc tggactcaaa    1260
agcctctact tggctgcctc tgccagtcac ctcttcctct gctgaaccct ccagaccaaa    1320
ttcttgcccca cctgcatgct ctcctgctgc tgcctctttc ttttctttcg agtcccaacc    1380
ttgcccaagc gcccctttta aaaagttaat tgaacaactg tggcctactc tgtgtcagtc    1440
cccgcagctt agaatcaaac cgatagcctg aaccc                              1475
```


<210> 8752
<211> 2855
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2485)...(2855)

<400> 8752
```
gctctgtgct caacgtggtt agcagcacaa gaattgtgtg aacccgggag gcggaggttg      60
cagtgagttg aggttgggcc actccattcc agcctgggag acagagtctt gctctgtctc     120
caaaacaaac aaacaaacaa aaaaaccctg tagcttggga tcagccttct cttctattgt     180
ttttctttaa aaaataaaaa ttaaaaatag atgtagatgc tatgttgctg aggctggcct     240
caaactcctg gcctcaggtg atcctcccgc catgacctcc aaaaccacag ggattgtagg     300
```

```
tgtgagcact gcacccagcc ttatgttttt ttctacataa aaaacagcac aggattatct    360
tccagagcta ataaatatgt tcaaataacc acaaccccat taaggaaaaa tatcactggg    420
cagcaaataa tcaatccaga ccaatatgat cacaattgct gtgaaggtga gaaaagttca    480
tttttattat gtttccccaa gagacgcact ctattgttct cttgaaaaca cacagctcat    540
gtcctccttt agaacacaca tcctctttaa agtaacatac aaacatgcca aaacaaggta    600
aaaaattaca tctgaattct cacatttcaa acatatatga aatatcaaat aaaaatttat    660
ttttacaaga atttagggga actactacat agctataaat gtaatatata tgttaactaa    720
gtatcataga taaaaaccat gctcccttca gcagcacgtg taataataga tacaaagatt    780
gaaaggtaaa agatttagga tgaaaagaat cctctcttaa aaaggaaaac aaaattatat    840
gtagtgtgta tatcaacagt tataatatcc atcacacagc tttatagaaa cagcatctat    900
tcaaaaatac cagtatttcc aaaatatttta aataatatt taaagtaata ataatattta    960
aataaataaa tatatttaat aaatatttca ataaataaaa taatatttaa ataattctat   1020
acccatgttt ttcaaaataa accaataaat tagatagtat gtattagacg tgttagtata   1080
tatatctgag acatgttaaa aatcacaact gaattctcac aattcagtca caaacctaaa   1140
cagcaaataa aaatttctat caccagaatt atgttttttt ctggtgggga actaccaata   1200
gctataaata gaagagatta ttatggaagt atcatagata aaaagagtgc tcgcttcagg   1260
agcacatgta ataatacaga aacaaattta aagataataa aatatttagg ataaaaagaa   1320
ttgtctctta aaaatgaaaa gaaaattatc tttatgtata tataacaact ataactctca   1380
tcaaaaaact acaggaacag catgttttca aaagtacaac aatttccaaa ctatttgaaa   1440
taaatctatg aataattcaa tggccgacat tttccataca aaccaataaa atgcagagtg   1500
tgcatgaagc tatctgttac aatctgtggc actgatattt cacaaaagaa ttctgtccca   1560
atctgagccc ctgcattgtg ccttcaaatc ctcctggact gcaagtccgt aagaaacagg   1620
acctccaggt tccgccccag ggaggttgga attcagcaat ataaaaaggg tggtggtgcc   1680
gcaggaaagg gtggaactgg aaacgctcct ggtttcttac ttttctccaa ggactcctag   1740
aaggacccca ccccctcc cccacccctg ctcctaggag gacaacgtga tcactgtatt   1800
cagctccatc aagaatggtc caggttcttc tagatgatct gcacaaatgg ttcctctcct   1860
cctgcctggt gtctgccatt agcattggaa taaagttcct gctgaaaatc cacatctccc   1920
ctgggtccgg tgttctggaa gcgagagaga caatgtcaca cttcaaggag gcagctctct   1980
agacaggaaa gttattcacg tcccatgtca attgagaaat gcaatttat ctgctgcctt   2040
tcattctata ccctgcttct gaaccatcgt gttcaactgt gaaactcaca ctttggtgac   2100
cacgactcca aaactcactt aatacaccca aggtcagccc cagtgatctg cttcatagca   2160
aggactttgg gtgggtctgc ccagggagta gggcaccctc agagaatgtg gctttggact   2220
ttatcacagc tggggccttt tgtgtcactt aagatctaaa cttgtaacca tgctagatgt   2280
gttttctaat gtgacaacat cacgaaccac gagtccagaa gcctaatcct taatcctacc   2340
tcctcatgat gaagtctcat gctctgtgct caacgtggtt agctgcacaa gatgtaaacc   2400
aaagcttcac tgaaccctcg acccaaatca gtaactcaag tgcgtcaatc ataatgaacc   2460
tccccaaact cagtttttat gattattttt gaggcagggt ctcactctgt cgcccagact   2520
ggagtgcagt ggcaggatca gggctccgtg cggccccgac cttccaggct ccagcgatcc   2580
tcccgcctca gcctcctgag tagttgggag tagagatgcg tcccacatcg cctggctaat   2640
ttttgtattt ttgtggagag gggatctcgc cacgttgccc aggcttgaag ccagatcaag   2700
caattgggtt ccttggattt ccgaaataga ccccaatatt ctgcctttac cccggaggtt   2760
gcagtgagcc aagattgggc ccctccattc cagcctgaga gacacagcaa cactcttgtc   2820
ttgataaata aataaataaa taaataactg tcaaa                               2855
```

<210> 8753
<211> 1232
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (200)...(1232)
<223> similar to gi3876562 in the genepept database release 114,

<400> 8753

```
ggtcacgagg cttcgtagtg gaggaacggg tttggcgtgt gggacgcagc tgcctctgta    60
ctggggagtc acggagtggc cgggctccag ggacatggcg gcggcctctg cggtgtcggt   120
gctgctggtg gcggcggaga ggaaccggtg gcatcgtctc ccgagcctgc tcctgccgcc   180
gaggacatgg gtgtggaggc aaagaaccat gaagtacaca acagccacag gaagaaacat   240
taccaaggtc ctcattgcaa acagaggaga aattgcctgc agggtgatgc gcacagccaa   300
aaaactgggt gtacagactg tggcggttta tagtgaggct gacagaaatt ccatgcatgt   360
atgatatggc agatgaagca tattccatcg gccccgctt cctcccagca gagctaccta    420
tttatggaga aaatcattca agtggccaag acctctgctg cgcaggctat ccatccagga   480
tgcggttttc tctcagaaaa catggaattt gctgaacttt gtaagcaaga aggaattatt   540
tttataggcc ctcctccatc tgcaattaga gacatgggta taaagagcac atccaaatcc   600
ataatggctg ctgctggagt acctgttgtg gagggttatc atggtgagga ccaatcagac   660
cagtgcctga aggaacacgc caggagaatt ggctatcctg tcatgattaa agccgtccgg   720
ggtggaggag gaaaaggaat gaggattgtt agatcagaac aagaatttca agaacagtta   780
gagtcagcac ggagagaagc taagaagtct ttcaatgatg atgctatgct gatcgagaag   840
tttgtagaca caccgaggca tgtagaagtc caggtgtttg gtgatcacca tggcaatgct   900
gtgtacttgt ttgaaagaga ctgtagtgtg cagaggcgac atcagaagat cattgaggag   960
gccccagcgc ctggtattaa atctgaagta agaaaaaagc tgggagaagc tgcagtcaga  1020
gctgctaaag ctgtaaatta tgttggagca gggactgtgg agtttattat ggactcaaaa  1080
cataatttct gtttcatgga gatgaataca aggctgcaag tggaacatcc tgttactgaa  1140
tatctcgtat accagaaaca tgactcttaa agatggtcgt gtgggcagca gatcgccagg  1200
cggcattgac aaaactgagg tacagccttc gt                                 1232
```

<210> 8754
<211> 1898
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1512)...(1843)
<223> similar to gi4481741 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 8754

```
agcaaaatgt ggtgaatatt actgatgagg taatgggaga aagctaaagt aacagtctga    60
atagttttgt gcatcctgag ttttcttaac taaggcttta tttttaatta aaaacaaaat   120
ttacattttc aaaaacggtt tgcctcaaaa aaaatagctt ctaaactata ttaaattgga   180
ccaaataagg attttaatta ttataaaaca aagctcagta cttcagggaa ataccacctc   240
cacaaacgtt gagccaattc aggggctgcc agtagaatcc taaagagtga tgtctccggt   300
tcatgtgaac accatctgca gtccacaccc cttgaggaca attcaggcca taaggcagac   360
catgctcagc agagctgccc cttcaccacc ccagtcacca cccttagcct gattgggcag   420
gcgatggctc atagccagga aggctgcctc cctcaggctt cccaaaacca atcaagggca   480
tacgcggctc agccacactt ttgcactcat attcccgtat gcttccgctt aaatgtactc   540
atgaaaaatt ttaagatggt ttgctgtcac tcatcccctg acccagacgg gttacacaga   600
```

```
tctggcagtg gacacaccct ccaacacagc atgaaaagag cataggaaaa cccaggtcca        660
gctaagccct acctcaaagt aatttggcct ttggttcctc ctctgaaagc aggtggatac        720
aaactgtttg gctataaaat tgtgaatcta tggaactgta gaataattaa agcttccaac        780
actaaaccac aaaggcaagt agtgtctgtc cacactgatg gggcaccacc tgcaccaagc        840
cccagactcc agtgcgctgg gggcatcaga catctgtcat agtcacaagg agcaagaagt        900
tctaggttcc ctcaccactc cctcctacgc tcctccagtc ttcaaaaatg ccttgaaata        960
acccactttg ggacccaatt cttaatctgt tgcaaaacaa tctgcttaaa atagccttaa       1020
ttaagatgta agtccaaacc attgctcttc ccttcataaa aaggagaagg taagattacc       1080
agaggttgtc atgactatgc cagtaacaga tctatcccag aattatacca cttaaagcag       1140
actgttagaa gcccccctcag tgcagtgggc agcacgtcag tctcataatc tcaaggtcct       1200
gagttaaagc agactgtata ggaagatcta tagaaacccg ttactactaa aggggaaaaa       1260
aaaatactgt acttaaaaaa attagaagcc agtttaccat tagagagagt tttgatttga       1320
gatataaaga acatattcct ctccaaaact gagtttcctc tgatacaaaa gtatttgcct       1380
tctggagaag atatggtttg caccgtccaa caggtgtgct ctgaaggccc ccactgaaat       1440
atattgcatc atagatgagg ggaaagactt ggttaatttc tcttatcaaa agctagtctt       1500
caggacatcc tgtccaactt ggctcccagg ggcccaaggg ttcttctcag agattgttct       1560
tagagacccc caaacctgca gcccaagccc aggagccacc tgtgcatctt cgccacgtcg       1620
ccaggctgtc aggagcatgc gtctctcata gactggtctc ctcacacact ctgacgggga       1680
tgttatagtg ccgatcgtcc tcagcaatga gcgttaccac tggccagtcc ttgggtgggt       1740
cggtgggggta gactgtgatg aattcttccg tgttgtactt ggagagccgg tacacctgga       1800
tggtgtggcg cacagcatag gcaagaagga acatttcaac cagcatgagc tccgggtcct       1860
gcagccaggg cggcagcccc acagcctggc tcatggcc                                1898
```


<210> 8755
<211> 1918
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (311)...(1819)
<223> similar to gi5305335 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8755
```
tttcgtctgc ccaaggcctc catggctgag cctggaggct cttggaacag gctccgcgcc         60
caagctggca gacatgggtg ctctctggag ccgtcagaga gggcagagag ctcgtggttt        120
atggtgtaaa ggctgggagc ttggagggggg tcgtgtgtgg ggctggactc tgaggcggcc        180
agaggcctag gaacgttatc ctgggcacac cgtgcgtggt gtgcagtctg agtcatgctc        240
cctgggtagg gcatccagct cccagcctgg gagtgctgag agccaaatcc accgtagagc        300
aggggtgaga gtcagggtcc cacctcctct atctgccggc aatccagtgg tgacctaggg        360
taaaagcttg agagtcccat acacacggtc atcccacgac atacctcaca ggccaggcag        420
ggacacacag cccccttccc tccctcccag gtaccgtcat agctgctagt gtgactgaag        480
gcagtgtccc tggccccagc tgaagcaccg tagccagcca gcgggctcac gcaccttggc        540
ctgttgctcc tagggtcact tgtgccattc agccaagggg acgaccgtgc ctgctggccc        600
agctgagctc cgcccagtga gcccacccccc cattctcctg ccactgactc tcgctcttct        660
gcttttccca gcaggaaggg cccagcctca cctacgagac ctgcagcccc cgaccagct         720
gaggctcccc tcttagactt ataagtctat ggccactggc atccggctgc ctgccctccc        780
tgcctccccc agggtccctt cagagggtcc tgggctttct gaacacccag aggggcctcc        840
ggcgctccct ccagccatcc cttttagttt caccctcctg gttcaagcag tgttctttct        900
```

                                     7308

```
ctatcaggcc tggtggctgt tgcatggggc tccccaaggc aagggtggc cccaggccag      960
tgggttggaa gacagggtga ccagagaaga gggaagcccg aggggggccga gcatcagcct     1020
gaattgcggg tgccctgcct gggtgccgtg tgagaggcca gcgtgtgtgg ggtgggaagg     1080
gccgccacag cccccaggcg ctatctgtga agctacggct cctccctcca tcttcctccc     1140
ctttcccttc cagcccctttt tccaggaacc ttgccacacc cacacctgca gcctcccctc     1200
cccggccctc ccaccactgc tgcggcgcgg ccggccccgg ccgtgtgctg cgcttgcctt     1260
accagctctc tcctcgcttt tctctcccgt tttctctctg ctttctctcc aactgccagc     1320
cgatcgggtc aggcaagtcc atcccgtcct gagagcccca ggccccccctt cgacctctaa     1380
acagatccct cctcttctcg gagacctccc tttccaagcc tgcctggacg gctgttctgt     1440
gacttgacag tggctccccc agccccaaag ccagcccccct tcatctgtga cttaatctgt     1500
tgtagtggtg agctgataca ttcaggtgtg accgttggtg aaaacttgtg cccccttctgt     1560
ggtatgccct tgccctgttc tataaatatc tataaatact catatatata cacacctaca     1620
catggccaac cgcctcgcct ctagcgctgg gaatcagtca ctgtgctatc cttgtggagt     1680
cttgtggccc aactaccaga gaacgctgtc ccccgacatc ccactccaaa gtgtgccacc     1740
tccagtgagc ctccttgtca tgcccggcct gtggacagcc agcccccgcc atccctccca     1800
cccccctacca agcatggggg tgctgtgcag gcagccgtgt ggcctgacag tttctaccag     1860
tcctgctgtc cctcggctga gaataaaacc catttctgga tgatggggaa aaaaaaaa     1918
```

<210> 8756
<211> 1906
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1281)...(49)
<223> similar to gi2317934 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8756
```
ccacgctgtt acaaagggga catcatgggc tgtggaatca tgttcccccg ggactacatt       60
ttggacagtg aggggggacag tgatgacagt tgtgacacag tgatcctgtc tccgactgcc      120
cgggccgtcc ggaacgtgcg gaatgtcatg tacctgcacc aggaagggga agaggaagag      180
gaggaagagg aagaggaaga ggatggggaa gagatagagc cggagcatga gggcaggaag      240
gtggtggttt tcttcactcg gaatggcaag atcattggga agaaggatgc tgttgttcct      300
tctggaggct tcttccccac cattggaatg ctgagctgcg gggagaaagt caaagtagat      360
ctgcacccct tgagtggcta gggcctcccc tccagacctg ctccttctcc ctgctcaccc      420
tctgctgggc caggcaccca gttcctgact tcccagaggc ttcgtttacc cagcaggccc      480
ctggaggtgt gtagtcactc tgcccccact ggctcaggcc cctgtcacgc ttctctgtgc      540
ccacgtttct gacctggtgc tgccactgtt gtcagtccct gggcctgagt ccctggttgg      600
acaggaatgg acccaaagaa tggtgttggt atgtgggtgg tcccactcgc tttggtcagt      660
gggcttctgg gtccccctttt ccctcaccgg ccctgtgtgg gtggagaggc gtgagcaccc      720
tatctcagct gctattcggg catgatgctt tgtagagggt agagtagaca gcccctccc      780
ctactcacca tggtatttct ccttgaattc ctctttcttg ttttctttcc tggttgtgtg      840
aaccagttgc tgctgtcata cccctggcag ggccagggga cctctctttg gtcatctctg      900
tcctttcact ggctgctgcc ccaggaagac tcctctaggc tctccatctt tcccttgaga      960
gctggctccc caccccaacc tgctcaggca ccacagagga tctaggtctc tggctcccca     1020
tacctggacc cacatgggtg ggtgcctgtt gcatgtttaa gagagagggg ctgtgaggtg     1080
acagggcact agggccttca ctcctttctc cccttccatc ctttctttac cagtgccacc     1140
catgtcccta gctcccgggt attggggctg aggctctggg gcctgtctcc ctgccagcgt     1200
```

```
gagggcaaga ccccagagcc ttagctgagc aagcccagag gggcagcgtg gcccctccct    1260
ccccttttcc tgccccgtcc catgcctcag cttgctgctt gtgccagttg cctgtttcgc    1320
ttcagtgttt gattctagca cttacatgtg tcctccccac caagccctct atctccttct    1380
aatccttcaa cccctggccc cctccccgta acagtgactt ttccagggag gaagaggcag    1440
caggagctgt tggccttggt ttgcacagag cgggtagggc tgtagggaaa gcgggtgagc    1500
tgttgtgctg ctgggcctcc ctttggccct cgcttcccac cctacgatgt atgaaatgta    1560
tgtacagacc agagatgttt atacagccga taaagatgga gtttccgtat ttatcagtat    1620
ggccggaacc aggagccttt ctagtccact gggctaggaa caggactgct ggatgggggc    1680
agccgaaggc agcttgctca tggggagatg tggaccaatg ttgggccagg gatgggaatc    1740
atatgttcca tgggcctggc tacaggcctg agcacagata cgtcccctgg gagatgaggc    1800
tttgaccttc ctgtgaataa gtgttgactc caatttcggc taaagtttat agaaattctt    1860
tattattaga caaaaataga ctctcttttt tcccctaaaa aaaaaa                   1906
```

<210> 8757
<211> 413
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (126)...(411)
<223> similar to gi213273 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 8757
```
cccatcaaaa atcagtattt ggctaattgt taacttcaaa atccagtaat acagtcactt      60
gctgccacca gcccccacac cgtgtcttcc catggctcca ccgccctgct cttccacagg     120
ttgcaatgga aatagagatc gccgcgctca tcattgacaa tggctctggc atgtgcaaag     180
ctggctttgc tggggatgga tggcccctga gctgtgttcc cctccatcat caggtgaccc     240
cggcaccagg gtgtgatggt gggcatgggc cagaaggact cctacatggg ccatgaggcc     300
cagagcaagc acgacatcct gaccctgaag taccctatca agcatggcat catcaccatc     360
tgggatgaca tggagaagat ctggcaccac accttctaca acgagctgtg ccc            413
```

<210> 8758
<211> 1981
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1982)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1160)...(1866)
```

<400> 8758

```
tttttttttt gctagtgact gatacattta ttagtttcta acaaaaaggc atacatggta     60
ggcagagtag aaatactaac agaaattagt ttatcttgaa accaatttta gtcaggaaga    120
cttcttcaca gagaatgagc tgaatatata aatcccaaat atatcacacc atatatgtga    180
tatatttaca cctaaatata tcacaccctc cttttttggtc acagactatt cccaggaggg   240
ttaaataggg taacggttta atttgagggc attcaaggaa tgtccaccct aaaactgaaa    300
gtgaaattgc tcttaggggа aaaattgggg ttgatgaggg aggnttgatc ttagcctgtc    360
tcagacaaat ttggtttatt tatttttact taacgaccca tgtgatagta tagttgcaag    420
ctatacttca tttaactaca atcattactc aggggacaa tcaccttaag aggcaaatta     480
agttttaaaa ttagccacag aatttaataa ttaccccaat ccagcattgg acatagatgc    540
ccatcaggta tgcaaagatt aacaaaattc ctattaccca accttagagg aaaaaaactt    600
aatgacatac agaaatactg gcaaatttaa gctagaatta gctccaggac attttatctt     660
attttcacat taaaagaata gattactaga tatcagcaga aatgctgtta aagctatttt     720
ttactaatag ttgttcatat taatgaaaca aaagatcaat agtctctgag ctaaatttca     780
caaaatgaaa tcagtgtctt ctgatttaac tttcaggagt aagaaagggc aaaacccaag    840
caccatactt tctatttctg ttcataaact caaataaaag cagtatcaac acaaatgatc    900
atataagaaa acacgtggtt atgtttcagg ttccacaaca taagacactg tgaggtaact    960
ctcctgtaat acattcccat tttttctgg aatagcagat gcatagaaat gcaggtttcc   1020
aaaaattcac ccaatttagt aactaatttt gattctgatg cctgatagta gggtgtgaaa   1080
agctgtaaaa cccaaatgtt tcctgtgttc tttcacaagg acaagggaag aggatgctct   1140
gccaaactgc ccctgctgcg tcatagtgga ccagtttcaa tgatccagac tgtcagtcac   1200
cccatccagc ctcatcctca tctggaccca tttctcacca cccaatcagt ttcaatgatc   1260
cagactgtca gtcaccccat ccagcctcat cctcatctgg acccatttct caccacccaa   1320
tcagtttcaa tgatccagac tgtcagtcac cccatccagc cacatcctca tctggaccag   1380
tttctgacca cccaatcagt ttcaatgatc cagactgtca gtcaccccat ccagccacat   1440
cctcatctgg accagtttct gaccacccaa tcagtttcaa tgatccaaac tgtcagtcac   1500
cccacccagc ctcatctgga ccagtttctg acgacccaat cagtttcaat gatccagact   1560
gtcagtcacc ccatccagcc tcatcctcat ctggacccgt ttctgaccaa ccacccaatc   1620
agtttcaatg atccagactg tcagtcaccc catccagcct cagcctcatc ctcatctgga   1680
cccgtttctg acgacttaat cagtttcaat gatccagact gtcagtcacc ccatccagcc   1740
tcatctggac cagtttccga cgacccaatc tgtttcaagg atatggacgg tcagtcaccc   1800
catccagcct catcccagct cttaactcct tctgcatagt tcagtttcct ttctggcaag   1860
taattcccaa tttcctagaa aaccctgatt ttgtgattta acactgattc gaatccactt   1920
taaaccaaag gaaacaggcc gggcgtggtg gctcacgcct ataatcccag cacgctggga   1980
g                                                                   1981
```

<210> 8759
<211> 2029
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1930)...(1928)

<400> 8759
gcggccgcct ggagctctcg gcctcggcct tcgacgacgg caacttctcg ctgctcatcc   60
gcgcggtgga ggagacggac gcggggctgt acacctgcaa cctgcaccat cactactgcc   120
acctctacga gagcctggcc gtccgcctgg aggtcaccga cggccgtgag tgcttccccc   180
ccgccccccca gctcccgccc ctcgaccctc gaccgccgcc ccggcccgcg cgccgctgac   240
cgcgccccct ccgcagcccc ggccacccccc gactactggg acggcgagaa ggaggtgctg   300
gcggtggcgc gcggcgcacc cgcgcttctg acctgcgtga accgcgggca cgtgtggacc   360
gaccggcacg tggaggaggc tcaacaggtg gtgcactggg accggcagcc gcccggggtc   420
ccgcacgacc gcgcggaccg cctgctggac ctctacgcgt cgggcgagcg ccgcgcctac   480
gggccccttt ttctgcgcga ccgcgtggct gtgggcgcgg atgcctttga gcgcggtgac   540
ttctcactgc gtatcgagcc gctggaggtc gccgacgagg gcacctactc ctgccacctg   600
caccaccatt actgtggcct gcacgaacgc cgcgtcttcc acctgacggt cgccgaaccc   660
cacgcggagc cgccccccccg gggctctccg ggcaacggct ccagccacag cggcgccca   720
ggcccagacc ccacactggc gcgcggccac aacgtcatca atgtcatcgt ccccgagagc   780
cgagcccact tcttccagca gctgggctac gtgctggcca cgctgctgct cttcatcctg   840
ctactggtca ctgtcctcct ggccgcccgc aggcgccgcg gaggctacga atactcggac   900
cagaagtcgg gaaagtcaaa ggggaaggat gttaacttgg cggagttcgc tgtggctgca   960
ggggaccaga tgctttacag gagtgaggac atccagctag attacaaaaa caacatcctg   1020
aaggagaggg cggagctggc ccacagcccc ctgcctgcca agtacatcga cctagacaaa   1080
gggttccgga aggagaactg caaatagggga ggccctgggc tcctggctgg gccagcagct   1140
gcacctctcc tgtctgtgct cctcggggca tctcctgatg ctccggggct cacccccctt   1200
ccagcggctg gtcccgcttt cctggaattt ggcctgggcg tatgcagagg ccgcctccac   1260
acccctcccc caggggcttg gtggcagcat agcccccacc cctgcggcct ttgctcacgg   1320
gtggccctgc ccacccctgg cacaaccaaa atcccactga tgcccatcat gccctcagac   1380
ccttctgggc tctgcccgct ggggggcctga agacattcct ggaggacact cccatcagaa   1440
cctggcagcc ccaaaactgg ggtcagcctc agggcaggag tcccactcct ccagggctct   1500
gctcgtccgg ggctgggaga tgttcctgga ggaggacact cccatcagaa cttggcagcc   1560
ttgaagttgg ggtcagcctc ggcaggagtc ccactcctcc tggggtgctg cctgccacca   1620
agagctcccc cacctgtacc accatgtggg actccaggca ccatctgttc tccccaggga   1680
cctgctgact tgaatgccag cccttgctcc tctgtgttgc tttgggccac ctggggctgc   1740
accccctgcc ctttctctgc cccatcccta ccctagcctt gctctcagcc accttgatag   1800
tcactgggct ccctgtgact tctgaccctg acaccccctcc cttggactct gcctgggctg   1860
gagtctaggg ctggggctac atttggcttc tgtactggct gaggacaggg gagggagtga   1920
agttggtttg gggtggcctg tgttgccact ctcagcaccc cacatttgca tctgctggtg   1980
gacctgccac catcacaata aagtccccat ctgatttta aaaaaaaaa   2029

<210> 8760
<211> 470
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (281)...(471)
<223> similar to gi4877793 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8760

```
ctagcatttt gggaggctga ggttggagga tcacttgagc ccacggtgta tcatattttg      60
taataatctg gcgtatccca ggggataccg tctcagaatc tgcaggtttg accttatctc     120
tttagctacc attagcatag tatgagggca tttaccatgt cctctagcca gcctcctgat     180
ggcagtaggt ctttcctgtt ttggaggatc cgtgcctcat ccatagtcag ggaatagccc     240
tgtcacctgc aaaggtctgg ttgacactga aactctaata ataggctcct aacagtaacc     300
ttctttctcc ccacagtgta atccagtgat gattgatgcc atcaaagttt ctgctgctca     360
cagggcccga tacttttggg gcaacctacc cgggatgaac aggatctttg gctttcctgt     420
gcactacaca gacgtgtcca acatgggccg tggtgcccgc cagaagctgc                470
```

<210> 8761
<211> 506
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (195)...(504)
<223> similar to gi2981631 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8761

```
gacaataaaa tctccgtggc acccgctaag aaaataacta aaaccatcca ccaaaagaaa      60
tgccaaagaa attaaaatcg ttccactaga aaatatgtaa tacaaaagaa agaaggtagt     120
aatggaagaa tttaagaaca agagacacaa aataaaggaa acaaatggca aaatatcaga     180
agtaatcttc ctcatcaata attacattaa atgtcaatgg tttaaactcc ccaaataaaa     240
agcaaagatt ggcagatcca attgctatct acagagattc cccttagact caagacccca     300
aatagaaagt aaaagaagaa aatattccat gcaaacagta aacaaaagaa agctgaagtg     360
gctatactaa tatagacaaa tagacttaag ataaaaattg ttcttatagg gcactgtata     420
atgataaaag aatcaatcta tcaagaagat ataataatca taaacttact tgtacctaac     480
aatagaattt caaaatatat aaagcg                                          506
```

<210> 8762
<211> 836
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(837)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (610)...(803)
<223> similar to gi3868940 in the genepept database release 114,

<400> 8762
```
tggaacnnnn nnattaatag ctcgctatag gcngccantt agggataaat tacttgatcg    60
tggccagtta gtagagctga gattcaaacc ctggcttttt ttaatctaga gcttgtgctc   120
taaactacta taggggattc attcagttcc ttagaaggag aaagatccta gagcggcact   180
gttcagtatg gtagccacta gccacatgtg gctgttgagc acttgaaatg tggctagtct   240
aaactgagat gtgctaaagt taaaatacac accgattttg aagatgtaat gtgaaatata   300
tgtatatata aagtatctca ttaatactgt ttagtattgg ttacattttg aaatgataat   360
gttttcggta aataatatgt taaaattaat ttcaccctta aaaacatttt taatattact   420
agatttctat tagacagcac tatacaagag gaaatcactg gacttgaagc tttaaatgtt   480
tagcacacat ctagcaaacg tctgtagcct tctgtacacc aggcatatgg tactgggtga   540
gagtcttggg gaataaaaca gaatcagaca ttgcccatga ggagcccaca gactagccag   600
acggggtggg tgtctgtgtt tttggtttgg ttgaagttga gttgaccact ttatccgctg   660
ttgatttttg ctttggctag gtgtctgcct gtatcccagt gttcaggctg gctagacggc   720
ggaagaagat cctattttac tgtcacttcc cagatctgct tctcaccaag agagattctt   780
ttcttaaacg actatacagg gtattgcagc tcatggtgta gctctctcct cgtgcc       836
```

<210> 8763
<211> 1401
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (315)...(1403)
<223> similar to gi498152 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8763
```
gtgggccttt gacccctcgg atgattacgt tcgcccgggc cgacccacgc gtgcgccccg    60
tcgcgggagc cgcttcgggc cttctgggca tgtctgccat atggctccag gtttgttttt   120
ctccccggca ctctgacggg gagggctccc ggcatctcct ggcgtccggg tagaggacgc   180
ggaggatgct gagctgctgg cgcactgcag cacaactaga gatgtacgga tgcccccatc   240
ttgatcttac agaatcagag gtacagccgc gagaaaggtc tagtcaagaa cagacagagt   300
cgcttgagga ctcaggaggg tgtttgctgc gttgacaaca gactacaccc tcacagtttg   360
ctctgctctt ccaacaccag tggaagatga tcacatccca gggatcagtg tcgtttaggg   420
atgtgactgt gggcttcact caagaggagt ggcagcatct ggaccctgct cagaggaccc   480
tgtagaggga tgtgatgctg gagaactaca gccaccttgt ctcagtaggg tattgcatca   540
ttcacagggt attgcattcc taaaccagaa gtgatcctca aattggagac aggcaaggag   600
ccatggatat tagaggaaaa atttcgaagc cagagtcatc tgggtgagtt agtgccagat   660
ggaatttaaa gaattaatta ataccagtag aaactattca agaatgaagt tcaatgagtt   720
taacaaaggt ggaaaatgtt tctgtgatga aagcatgaaa taattcattt tgaagaggaa   780
ccttctgaat ataataacaa tgggaacagc ttctggctga atgaagacct catttggcat   840
cagaagatta aaaattggga gcaacctttt gaatacaatg aatgtgggaa agctttccct   900
gagaattcac tcttccttgt acataagaga gcttacacag gacagaaaac atgcaaatat   960
actgaacatg ggaaaacctg ttatatgtca ttttttatta ctcatcagca aacacatcca  1020
```

```
agagagaacc actatgaatg taatgaatgt ggagaaagta tctttgagga atccattctc   1080
tttgaacatc agaatgttta cccattcagc cagaatttaa atcccactct aattcagaga   1140
acccactcaa ttagcaatat tattgaatat aatgaatgtg gaaccttttt cagtgaaaaa   1200
ttagcccttc atttacaaca gagaacacat ccaggggaaa aaccttatga atgtcatgaa   1260
tgtggaaaaa ccttcaccca gaagtcagcc cacacaagac atcagagaac acacacaggg   1320
aaaaccctat gaatgtcacg gatgtgggaa gaccttctat aagaattcag acctcattag   1380
aaatcaaaga attcacacag g                                            1401
```

<210> 8764
<211> 1678
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1679)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (298)...(1679)
<223> similar to gi4929812 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

```
<400> 8764
gctcggggta atagggctgc tgctcggcct tccgttggcg gcgagcagca ggggcatgag     60
ggctaacccg ggaagcggca gctgagcggg ccgggaggag cgccggtccc cgtggatccc    120
gagagtgcag agctcggggc aggggccggg aggcgtgggg gagccgggcc ctcccctcag    180
gaacgtgtcc cggggccgac ccggcccgta gtgtggaagc agcttcaggt aggtgagctc    240
gtgaaacaat atgaagagga gaaaatagcc ttttaaggaa attggcccac agaaaggatg    300
gccttcttgg acaatccaac tatcattcta gctcatattc gacagtcaca tgtgaccagt    360
gatgacacgg gaatgtgtga gatggttctc attgatcatg atgttgacct agagaagatt    420
catcctcctt caatgcctgg agacagtggg tcagaaattc agggaagcaa tggtgagact    480
cagggctatg tatatgccca gtcagtcgat attacctcaa gttgggactt tggtattaga    540
agacgctcaa acacagctca aagattagaa cgactccgaa aagagagaca aaaccagatc    600
aaatgcaaaa atattcagtg gaaagaaaga aattctaagc aatcagccca ggagttaaag    660
tcactgtttg aaaaaaaatc tctcaaagag aagcctccaa tttctgggaa gcagtcgata    720
ttatctgtac gcctagaaca gtgccctctg cagctgaata accctttaa cgagtattcc    780
aaatttgatg gcaagggtca tgtaggtaca acagcaacca agaagatcga tgtctacctc    840
cctctgcact cgagccagga cagactgctg ccaatgaccg tggtgacaat ggccagcgcc    900
agggtgcagg acctgatcgg gctcatctgc tggcagtata caagcgaagg acgggagccg    960
aagctcaatg acaatgtcag tgcctactgc ctgcatattg ctgaggatga tggggaggtg   1020
gacaccgatt tcccccgct ggattccaat gagcccattc ataagtttgg cttcagtact   1080
ttggccctgg ttgaaaagta ctcatctcct ggtctgacat ccaaagagtc actctttgtt   1140
cgaataaatg ctgctcatgg attctcctt attcaggtgg acaacacaaa ggttaccatg   1200
aaggaaatct tactgaaggc agtgaagcga agaaaaggat cccagaaagt ttcaggttca   1260
agggcagacg gggttttttga ggaggattcg caaattgaca tagccacagt acaggatatg   1320
cttagcagcc atcattacaa gtcattcaaa gtcagcatga tccacagact gcgattcaca   1380
accgacgtac agctaggtgt gcactcttcc cgggggtgct caggaagagg ctgctcccg   1440
tggactgcct caggccgagt gctgacacat ggcggcagga gcagataggg tgctgcggtg   1500
```

7315

```
ctgcctgcgc tgccttaaga agctgagact cacacaagtg ttaagagggt atctctggag    1560
acaaagtaga gatagaccct gttacgaatc agaaagccag cactaagttt tggattaagc    1620
agaaacccat ctcaatcgat tccgacctgc tctgtgcctg tngaccttgc tgaagaaa      1678
```


```
        <210> 8765
        <211> 1775
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (682)...(1371)
        <223> similar to gi4761644 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters
```


```
        <400> 8765
ggtggttcag ggggcgtgta acctgggccg attctgcccc agcacactgg ttgtcgggag      60
ccccgcctcc gctcgcggtt gacagctcag ctggtgccga gcaactcgtg ccagccagtc     120
gtgtctcagc ctggagagtg cgcgcaccgc cgcccgggca gccgctggct ccagctcacg     180
aaacagcccc gggcgccgcg ccgctctgag tccagcctcc tactgagaac agtccctccc     240
ttgtgcgggt cgcacggcta gccgcaggtt cggccacgtc aaatccattt tctaaaaaag     300
cagggagcag agctctctct tcgccgccga cgcagaaagg agctggggag gaaaaagctg     360
ctgcctttg cgctggagat tcgtgggcaa ggcttctcat tttcccaggc tgcttcccct     420
cccgggtgag gagcgtcctg agactaagga aagagcctgg aaaatggagc agacctggac     480
gagagattat tttgcagagg atgatgggga gatggtaccc agaacgagtc acacagcagt     540
tctgtttcat tgacagcttt tcttagtgac actaaagatc gaggccctcc agtgcagtca     600
cagatctgga gaagtggtga aaaggtcccg tttgtgcaga catattcctt gagagcattt     660
gagaaacccc ctcaggtaca gacccaggct cttcgagact ttgagaagca cctcaatgac     720
ctgaagaagg agaacttcag cctcaagctg ctcatctact tcctggagga gcgcatgcaa     780
cagaagtatg aggccagccg ggaggacatc tacaagcgga cactgagct gaaggttgaa     840
gtggagagct tgaaacgaga actccaggac aagaaacagc atctggataa aacatgggct     900
gatgtggaga atctcaacag tcagaatgaa gctgagctcc gacgccagtt tgaggagcga     960
cagcaggaga tggagcatgt ttatgagctc ttggagaata agatgcagct tctgcaggag    1020
gaatccaggc tagcaaagaa tgaagctgcg cggatggcag ctctggtgga agcagagaag    1080
gagtgtaacc tggagctctc agagaaactg aagggagtca ccaaaaactg ggaagatgta    1140
ccaggagacc aggtcaagcc cgaccaatac actgaggccc tggcccagag ggacaagtag    1200
gtgccttcgg tgctcttttt gtcgcttgtc ttttgcccat tctcaaggca tacagcagct    1260
gtcctgttcc ctttcaagga ctgacagtag gagcttcact atttctaaga ctttatgggc    1320
ccacaaccga agacattctt ttcagggttg aattttcagt ggtatccatt atgaaaactc    1380
acttcatgga ttcagtgggc aaatagcggc aagcaagaga catggattca cttattcggc    1440
aaacatttac tgggcatgcc acatgccaga taccgggcta agtatctggc atgtgttaca    1500
gaaacaaaag acctaaatct tgtcaccaag aaacatgtta catgatttta ataagttccc    1560
tgatagaaga gcatggggtg ctctggggaa atattggagg gtcatccatt ccacattaaa    1620
agagcaagtt gtctgctgtg gtctgaatgt ttgtgtccca tccccacctc cctcccccac    1680
cagtttatat gttgaaatct taacccttaa ggttaatact tctgcctcca gaagtattat    1740
gaggtggagc cattaggagg tgattaaatc ataga                                1775
```


7316

<210> 8766
<211> 427
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (403)...(425)
<223> similar to gi483916 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8766
ctcacatcac ataaactcac atcacctaat gtgtaaggac tcacatcaca taaaaaagac   60
tcacaaacca aagagactca cataacacat aaggactcac aacaaaaagg actcacatca   120
cataaggact cacaacacat aaaaaactta agataaaggt gaaaaaagac attccatgca   180
aatggacacc aaaagcaagc aagcttagct attcttctat cagacaaagc agactttaaa   240
gcaactacag ttaaaaaata caaagagaga cgttacataa tgataaaagg actaccccaa   300
caggaaaata ttgcaattct aaatatatgt gcacctaata ctatagctcc caaatttgta   360
aagcaattac tactggacat aagaaatgag gtagacagca gcacaataat agtgggggat   420
ttcatag   427

<210> 8767
<211> 903
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (463)...(906)
<223> similar to gi178997 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8767
aaaaaacaag ttattcgtat ttgccaaaca gacctcaaaa ctgctgaaga ggccaggatt   60
aagtatcaga tttttctagat agttttttcta aacatttgga cttagaaatt tcaagtaaaa   120
atgtgttttg ttgtgaacag aaattcaccg gcattattac ctaagtgtat ttccgagatg   180
ttgccacgta tgttttctta tttacagcta gagttaatta tgaaaattgt ggggttggag   240
gcgaggtggg ggtggcggtt tgttttctcg tgctctccaa ctagcgtgct ctcttcccct   300
cccccgcggc gtgcagtggg gtagagaaaa ggtggcgacg gcgactggag cagcagaggc   360
tgtagcatcg gatacccacc tcccacgaac cgggtcctct tccccctcct tgctgtgtgt   420
ttgatgtgtt gaagcaggag ggagaacgcc gcgagcagcg ccgtgagcaa cactaccatc   480
gtccccagca ctgcggatcc gggccctagc ggcgggccca gtatcggagg tggtggcggc   540
ggtggaggcg gcggcatcga ggtaataggt gactaatctc cccgggcgct agctctgagc   600
atatgcggac tctcttcggt ttcctaggca agatcgacga accacacctc ttcccgccgg   660
ataattcacc tttgccaatc gcaatctcgt taaattccat gatccagact cagcagttgt   720
cgcaccatgt ctgacaaaca ctgtattcct tgacagagct ttgataacgt accatatgca   780

```
taaggagtta ttcctgataa ggctaaggct tgtctctgtt ggcaccagct aatgcaatgg      840
caggtcttct gcttggtgtt gggctcctgc ctactcctaa cccacttact cagactggcg      900
ctg                                                                    903
```

```
        <400> 8768
ccccttctccg agccaggtca ccgcaggggt ctgaaagggc aggggtgggt ggggcttaca       60
tgctgagcaa ggggtggtgg aaagagggcc gacatggtgg ccacaggcgg cctcggggat      120
ggggcgcggc tggacgcagg cagtcggtcc ccggtggtcc ggcggctcct catgcactct      180
gtacagcgtg ggggcggatg ggcgggggca ggggcatcag tctagaggct gcaggcctcc      240
tggtccaccg agcgcttcct cagctccttg cctggcttgg ggggcggcgg ggcgggcgcg      300
gcgggagggg cttcgggcag atgcaggacg gagttctccc ctggctgcac ccgcaggtag      360
gccttgacct tgtggtgccg ggccttgccg tcgctgaagt cgatgacgcg gcactcgtag      420
gtgccttcgt ccgtgggctt cacccgggac aggcgcagct tgtgggagat gttgctgccc      480
accaccttga ccacacttat tttggttgcc tccttccctg cgtcttcctg ctgagatgct      540
tttagctggt tcgaggccca cgcctgcttg tcggtccagt cccggtggct ccgtacatac      600
caccactgga tctccagcga gtaggagggg gagccgctgc cgcggaagga gcaggccatc      660
tccacgtcct cgcccgtccg tgctgtcatg tcatggggtg tctctgtgaa cagggcgtgg      720
ccggagacgt ggttgtccca gggcgcgtgg ccggcgggcc gcgtggcgcc gccgagttgc      780
aggaaaagtg ccaggtagtg gagggcgccc agcgctacgg cgagcggggc ccccatcgtg      840
cgctctcggg ccggggggcgc cgccgcctca catctgggcc ccggagaccg cagaaccggc      900
gccagctgtc ccctgccctg agcggcctgg ctgcccggct ccggcagctg cccctcgccc      960
gctgtccccg gacccggccc agctcccagc cctcgcccgg ctccggccca gccccggctt     1020
cggggagcga gcgcacgccc agccggcc                                        1048
```

<400> 8769
```
agaggggagg agaaagcact tttacagacc tcacattcca ctgctgtcat cacagctggt      60
cacttctctg gatccagcac gtcaggttcc agtgcacacc tgcctgaatg cagttttgtc     120
ctgtaaacct agcctggaga aagcaggccc ttctttccct taacatgata ctttcacttt     180
aatctattca tgcctaccaa gtagtcacat agatgggaag gacacactgt agggcatggt     240
gtgatcctgg acaagtgtta ggagggccct tccatcagtg atatgtgtac ttttttcctgc    300
tgtgaaagct aattgtcgct gtcttattat tttacaggcc aaggaggtag cagagcaaac     360
tctgggatct gggttagatt cctttgagtt gattccgttt aaggcagccc tgcggtaagc     420
aatggctgat attttttata aggaaatttt ttttcttcgg gttggaataa tctttttttc     480
ccttataatt aagatttcat ctcccttttg aaaaatgttc aagtaaaata atgggatggg     540
gggaaggaga ttatttcttg attcacccc                                       569
```

<210> 8770
<211> 819
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (680)...(8)
<223> similar to gi1235614 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8770
```
ccgccccgga atttccgggt cgacgatttc gtccgggagg gcggctcgca ggcaccatga      60
ctcctgtgag gatgcagcac tccctggcag gtcagaccta tgccgtgccc ctcatccagc     120
cagacctgcg gcgagaggag gccgtccagc agatggcgga tgccctgcag tacctgcaga     180
aggtctctgg agacatcttc agcagcaggt agagcagagc cggagccagg tgcaggccat     240
tggagagaag gtctccttgg cccaggccaa gattgagaag atcaagggca gcaagaaggc     300
catcaaggtg ttctccagtg ccaagtaccc tgctccagag cgcctgcagg aatatggctc     360
catcttcacg ggcgcccagg accctggcct gcagagacgc tcccgccaca ggatccagag     420
caagcaccgc cccctggacg agcgggccct gcaggagaag ctgaagtact ttcctgtgtg     480
cgtgagcacc aagccggagc ccgaggacga tgcagaagag ggacttgggg gtcttcccag     540
caacatcagc tctgtcagct ccttgctgct cttcaacacc accgagaacc tgtacaagaa     600
gtatgtcttc ctggaccccc tggctggtgc tgtaacaaag acccatgtga tgctgggggc     660
agagacagag gagaagctgt ttgatgcccc cttgtcattc acagagagag cagctgacag     720
caggtccaga gaatattcta tgtgcaaacc ttggcagtgc tgaaatgatg ttcacctact     780
gctgacttcc acattgcaag actatgtcat gcggctggg                            819
```

<210> 8771
<211> 1495
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (617)...(1495)
<223> similar to gi6015442 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8771
ttaggagggg tttcagaagc aagatctcta cttccttcag aataataagg tagggaagga   60
agcctcaaaa caaagtggca atttggaggc agagaaggaa taaggtagtg gtggggagga   120
aagggatagc aagcaggttc agttcaggaa ctaaaggcaa aatcttcata ctcataccct   180
gtttgagtcc aagaggaagc aggaatgaga gtaagggtgg ggcacataat ccttattcaa   240
gttacctgat atttgaaaag aaggacacat gaacactaga gttaatcttt tagtgctact   300
gaaatggcta cacagttaat ctggaagttt aagagctaac aaagctgcaa agacaagctg   360
ctctttgttg taaagtggac tgaagatgtt tcaaataaaa ctacatccaa aaactggtag   420
taagaaaagg gatctcttag caaataggaa tctaggtgta gaatttatac acatatatat   480
tttttaaagt ataaaaatga gaaagtatgt acaaaaaatc atcctaaatc ttagaaagga   540
gacataaaaa aaaggctgtg gaaagcctgg ggagttatgt gggtggatgc ctagcagttg   600
gaagaatgca tattgcccaa ctgcccagca gccagcacaa gaatatcttt cttctccttg   660
tggaagcgca gctccttgcc tgccagtcgg gcttcatcca gctcccgctc agtagaggcc   720
agctctctag acagtgcccc cggcacactc tgctcccggc tcacccagtc caaggccatt   780
tggtggcgaa tatcatcatc cagggcccgg tgcgaataat gagccaacac ctcctgccga   840
gagcattgtc gttccctcat ggccttaagg ctgccattcc agtgtagcag ttgaaaaact   900
gtcattagct cctggaactc caacattgat ttgcccttgt tggattccag catgaatcgg   960
aaggcaccaa tccctgtatt tgggttgtca gcttcctccc tgttgccatt aaaagatgcc   1020
agggcctcag agacactctt ctcgatgaac tcatcagtga ttcttcggga aggatgttca   1080
ttaaacacag aattcattag cgcaatcttt gcagcactcc tccgggcctc agcttttgtg   1140
gggcaaaact ggaaactccc aaagcagctt cccccaggca gggtgacata gcagacataa   1200
ggagggctgt tggagggaac catctcataa accactagag ccccattctt taagtcagca   1260
ccacgggact gcttcatctg ccagaattcc tgaagtgcct ccaccacatt cactgaatgt   1320
ccgcagaatc tccgcctggc caggattggg gccgtggcca cggggcagcc gaggtggcgg   1380
agccagtttc ctgggggccc gcatggcgtg ggggggggc acccggattc ccttggtgtc   1440
agtatctgcg ccccggcgcc ggatcctggt ccctcctccc ggagcgccca cgaaa   1495

<210> 8772
<211> 2457
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2278)...(71)
<223> similar to gi2317962 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8772
tttttttcacg gacagacagg gtcgtttgtc acagcagaga agcacctcac ggctcctacc   60

```
cgcactcatc gcggacagtg cctgcagcgg gagcggcgcg agcaccctcc ccagatgaaa    120
acaccagcac caggaggtgg gccgtagccc aggctgaggg aggaggctgg gggctggggc    180
tcagggcccc cccccggcca cagcgccacc ctgagtggcc ctgaaaatag tgcacagtgc    240
tgggtactgc cccggccgga ggcacctagt tgttgagcat tccggccaca ggccacccgc    300
tggcccttcc ttggtgtggc acgagaccac gggcacttgc aggagctccc tgcatgctgt    360
tttgtgcttt ggtctcaggg agcaccctcc tacctcgggg tcccagagtg ggcagccggg    420
caggtgtgaa cagtgtgaca agggtaccgt ggggcacctg gtagtgccac ccagaggggc    480
agccggtgct cctggtggtg tggcagcaac agttacaaac tcaccccaag tccaaacccc    540
agaaatcctg tttctctggc cctccgggtc cagaatgccc tgcactgcct cctggcctca    600
ggggctgctg cggtggtggg aaggctgccc agcagtgagg aaggcgagtg caggggctgc    660
ggccgcggtc agagaaggag agacaccagc agaggacgcg aagctgcgac cggccaggtt    720
cagagcccgc ctcggttgct cccaatcaga atctgctttg tgctccacgg cctccaagca    780
ctttcatgag cgttctgctc ctacgtggcc aggtcctacc ttccctgacg gctctggcca    840
ggccagctcg gtttccctct aacccatgag gcctgggggg gctgtgacag aggctggaag    900
cgtggccaga gcccaggggc aggcccgcct ggtcacagca ggatgaggct ggggtggcgc    960
agctgccggt acacctgtag cagcctctgg gcggtggcac aggagctggc ctcatcctcc   1020
gtgcagagcc ggtcgcgcag ggtctgcacc tcccgcagca gtgtctcgtg gttggcgtgg   1080
atctggcgga ggtactgcac acggagatca ggagcgctgg agccctgggc ggcctgctct   1140
gtcaccatcg tctgcatgcg cccgacaacg gcatggtgcg ccctgcaaat gtcggccaga   1200
gaggagcttt ccacttgaat ctccacggcc tggatgggcc ctgctgggca caggtcggtc   1260
atggccacct ctcggacgat gaggtgaacg ttggcgccat caggggccac tccctggatg   1320
gaagatagtg ctcgggccct cacgacgtcc acagcagcat tctcagcaag gagccactgc   1380
agggtggcac agcacagggg cacgcctgag tggccgtcct tcaaggcagc tctgagcagc   1440
tccgccgaca ccttgatgga agccacagat gggggcaggt actcggcccg cagggaggcg   1500
ggtcctgctg gctggctgcc aggctcccga caagtttcca gaaaagtggc cacagggtct   1560
cgggtggggc cgagtgggga gggggcccgt gtgtgtggca gggccaggcc agggaagcgc   1620
agacactgca gcatgtccac tgtgtgcctg ctcaggggca ggcaaacacc ctcttgctcg   1680
ggcaggacgt cggaggggca ctcatccaga aaggggtcct cagagtctga gggggcaagg   1740
gccccgccca ccacctccct gagactgtag aacagcgtgc aggacacggt cacgggcagg   1800
tcgagcccgc cgttctcacc agggcccagg ggtagcgtca cctcccgccg agcaccgggg   1860
ccgagctggt ccacggggat ggtgtaggtg atggcggagc aggccgagtc caggtcgaga   1920
gcacaggagc tggtgagcac ctggatgcac agggtccacc cctggtccag gctgaagctg   1980
ctgctgttct ctagcacgca ggtggccatg agcacatcct gtgtctgcag gcggctccag   2040
gtggtgctgg tggtgcagga gatgggtctg gggcccgtgc cgcttgacag cagtgcacag   2100
ctcacgttca tggcctcgtt gaggcttgtc agtgccttgt tccgctggtc aaccgccttc   2160
tttagaaaag acactctctc agagatgttg ccaattccag acagcagctc ctttattttc   2220
tgacctgcac tctctgtggt catcctggct gggccaggca tctcagagtc caggtccagg   2280
ctgcaggtca tcaggcggcc tttggcggac agggccagga gcttggtgcc accttcatgc   2340
gtcctgggag acgcggacag cgagacgaca ctgcagatgt tcaggctggc tgggcacagc   2400
atggggggca ggcctcccgg gccttcttcg ggctgctcag ggcccagcgg ggtgttt     2457
```

<210> 8773
<211> 688
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (188)...(688)
<223> similar to gi296382 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters
```

<400> 8773
```
ggagaataag aaaactgtct ggcacacaat aggtactcaa taaatgccca ttttcttccc        60
tggcacagag cagaaagaag cagagactgg tggagtcagt ggagactgaa gggcaagagg       120
agaggagaga aaggacataa ttgcttgcat accagaagtg ctcaataaat gtagtccttg       180
ccttggaaga gggcagagag ctcagaaaca caaggaaagg acagaagagg gaccggggag       240
gaagagagtg aggaaacagc cagagaatct gctagaaggg agagaggaga gagaagagcc       300
ggacagggag agcagaagtg agaaaaagga gggtggccac agagaggaca gcgagaaaaa       360
gagaacagga agagggaaa agagaagaaa tgggagaggg aagaagggtg ggagagaaaa       420
cggaacagag aggggcaca gacagcggac tggaccgaga gggagatgga gcggtgcgga       480
gggggagaga gaaagaggga gggaaggagg gtaggagagg gctggagata ggggaaaaga       540
gaaaaggagg gtaggagagg gctggagaga gaagggaagt taagaaggga gcaaggggtc       600
ccagacagcc ctatgcctga ggtcaataca gaactggagg tgagacatta gagttgcatt       660
atgcccataa gccaaactgc atacgaaa                                          688
```

<210> 8774
<211> 1129
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (478)...(1129)
<223> similar to gi|82099 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8774
```
ttttttaaa agcaatttat ttctgattac aaaatacagg tgaggagcat gggcgatgcc        60
tgtaacccct tggttgtgca tcttcccagt ctatttctgc ttctagaaat accctgtgta       120
caacagcaag ctcatgctgt ccccaagtgc ttgcacattc taacagctgc agagtatatg       180
accaggtgga aagtccaaca gatgccccac tcacaagata gggccctcca atcagtcttc       240
tggctccctt tcactcatag taactggttg ctcttcctat tggtcataga taaatgacac       300
ctgcacaatt ctccgagtgc tttcaagcaa cttcgggagg cagtgactaa gaccctttcc       360
ttgctcccag cttcctatgt cccagggctg cctgtggcac ctggactgct gctgcccctg       420
ggtcccgtac attccagggc aacaatggag gaagggcagg caacgcatga ggaattaaca       480
gtctttattg ggctcagacc aggagtccgt gggtcttgag gacctctgtg tatttgtcaa       540
ttttcttctc cacgttcttc tcggcctgtt tccgtagcct catgagctgt ttcttcttcc       600
ggtagtggat cttggctttc tctttcctct tctcctccag ggtggctgtc actgcctggt       660
acttccagcc aacctcgtga gccaggcgcc ccagataggc aaactttctt gtaggcttca       720
gacgcacgac cttgagggca gcaggaacca ccatccgctt tttcttgtcg tagggcggtg       780
ggatgccgtc aaacaccttg agacggtcca gagcggcctg gcctcgcttg gttttgtggg       840
gcagcatacc tcgcacggtc cgccagaaga tgcggctggg ggcccggaag tggtaggggc       900
ctcgggaagg gttggtgttc atccgcttgc ggaggaaagc caggtacttc aacttgtttc       960
tgtagaaatt gccagaaatg ttgatgcctt cacagcgtac gaccaccacc tttccggccc      1020
agcagtaggc tggtttagcc ccgatggccg gccaggcggg cccaggagat gggcctcgac      1080
catcaaagca ccaggacctg cacctccgcc atcttcggca gccgcttgg                  1129
```

```
<210> 8775
<211> 569
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (306)...(570)
<223> similar to gi1698455 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters


      <400> 8775
gctgcgagaa dacgacagaa ggggacactt aggttctttg tagctaactg tgtgatcttg      60
ggcaagtcat ttggcctttt agagcttcat tttcttcaaa cacaacaata agaactacta     120
tgtgagggga cttcaaagaa aactcatgga aaaatacata ttatgaaaaa actgcagaat     180
ttcaaaattt tgtatgcacc aaaataaact tgcactaact tgtcataaca tatctgaaca     240
ggatgtagtt tgaggcacta agaaggataa gacatcagtt tgaaaagagc ccctatcaga     300
gcaacataag ttctgctaaa attgaagcaa aaacaaacat aaaatttatg gtgaagctgg     360
gtgaaagaat ggtgaaatca ttgatgcttt acataaagtt tatggggaca atgccccaaa     420
taaataattg gatggctcat tttaagaagg gacaagatga tgttgaagat gaagcctgta     480
gtagcagact gtccagtttg caaggaaaaa attcatcttg ttcatgccgt aattgaagag     540
gaatgatgat taacagcaca aataatagc                                       569




      <210> 8776
<211> 1083
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1084)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (63)...(1083)
<223> similar to gi5689519 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters



      <400> 8776
atcctctaga gcggccgctt cccccgcgcc gagcgaggag gcaggctgcg gcggcgagag      60
gcggctgcgc ggccatgggc gcgccagtgt cgccctaggg cgggcgcaca gaccacagcc     120
ggagcggtgg tggcagcctc cgcagaaagc cttcccgggc ggcggcggcg gcggcccctg     180
gagcagcgcg gccgggatga gcgggagctg cgcggcgccc ggcccgggct cgggctcctc     240
cccggccgcc tgccgcttcg cgcactactt cgtgctgtgc gggatcgacg cggacagcgg     300
```

7323

```
gctggagcct gacgagctgg cggttttgta ccaatggcta gaagcagatc gtcatggcaa      360
gagccaaggt gctgcaaata cgacttcagg cgaaaatttt ggccagagtc ctttgaaaag      420
aacattcaaa tccaaagttc tcgcccacta tcctcagaat atagaatgga acccttttga      480
tcaagatgcg gtgaacatgt tgtgcatgcc taaagggcta tctttcagga cacaaacgga      540
caataaagac ccccagtttc actcatttat aattaccagg gaagatggtt ctcgcaccta      600
tggttttgtt ctcactttt atgaagaagt tacaagtaag caaatctgca cagcaatgca      660
gacactttac cagatgcaca acgctgagca ttacagcagt gtgtatgctt catcttcctg      720
cagtatggac tcattggcaa gtagtcttga tgaaggagat acaacttccc ttttgaaact      780
ccagcgatac aactcctatg atattagcag agacaccctg tatgtttcaa aaagtatatg      840
cttgatcaca ccgttaccat tcatgcaggc ctgcaagaaa ttccttatcc agctttacaa      900
ggctgttacc tcacagcagc caccaccctt gccacttgaa agctatatcc acaatattct      960
ttatgaagta ccccttccac ctccagggag gtcactgaaa ttttatggtg tttatgaacc     1020
tggtcatctg ccagaggctg ggcccagtga actcccctc tctgattanc cccttcggga     1080
ggc                                                                   1083
```

<210> 8777
<211> 769
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (551)...(739)
<223> similar to gi9449 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

```
<400> 8777
tttcgtctac gttgtggcgg ttccctggtg aatgcgccct ggggttgagg cgtctgcggg       60
cgttcggacg atgccgtgac gcggcacggc gacactgttg gcaatatgag cgcacccctg      120
tagagggagc ccttcggtcc tggaggcggc gcggcgtgaa gacaggttgc tatttgagag      180
cgttcccttg aagcccctca gagagtgggg gaggggcggc ggacggcggc ggttcctgtc      240
tgcgcttgcg ccggcgcctc tgccgacccg gcctgcacgc acgcgcatgc ccgtagcgcg      300
cggagccgcg gtggccggca gcactgcgcg tgcgcggtga ggagcccgct aaggagcggc      360
gctggcggac gtcgggctgg ctgcccgtga cgtcgtgcgg agagctttaa agtgcgggcc      420
gggccgggcg tccgagggtc tggtcgggag tcgggccgcg tctccgcagc agccctccgc      480
ggcatgaggc gctgctggcg cccctgcccc gcgggacgtg gagaaggtgg aggaggaaga      540
agccccgttg tcgccaccgt tgcatgaccc gccgctcctg aggccctacc ccacgcccgg      600
accctcgacg cccccgccg ggtcccccac tcacgcatgg gggttcggcg ctaaggaccc      660
ccctccctcc gggggcccg gggcgcgtcc ccttagagcc atgcccggct gccccgcccg      720
ccccagaggg ccctagtagc agcgtcgtgg ggaccatggc ggccgcaag                  769
```

<210> 8778
<211> 644
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (17)...(608)
<223> similar to gi3413516 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 8778
```
cgacccacgc gtccggtgga tcctgccctc cctgtggctt ctcctgcttg gggggcctgc      60
ctgcctgaag acccaggaac accccagctg cccaggtggg cacctagggt gccctcctca     120
ccaacccact cctcattccc tcgctgggtg tcccccacc aaggctcatc aacctcaagg      180
agcagggtgg gagtttcata atctgggctc tgcatgtaaa tatatgcaaa tggatgcaaa     240
gcacacgaaa ccttgccagc tcaggagaca agcatcctga cagtgggaat ctgggagaca     300
ggaagagaac tgaagagggg tctggaagag acagtctacc ctgtgcccac cctgcctgtg     360
tctccctgta ggacccaggg aactggaagc cagcaaagtt gtcctcctgc ccagttgtcc     420
cggagctcca ggaagtcctg gagagaatgg agccccaggt cctcaagggc catctggacc     480
accagactag atggtcccca cgtgtgagcc aagacatcca gtgatcctgc tgcgatgacg     540
ttatagcctc ataaattgac ggcagctcaa gagcttattc gccaactttg ggcggattta     600
accattcttg ggaatttaag agcaggctgc ccacctggtg aacg                     644
```


<210> 8779
<211> 1840
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (584)...(1580)
<223> similar to gi1196425 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 8779
```
gtggagcatc cctgtggggg actctggcca gcttgagtga cgcagatcct gagaccactc      60
ccgggtaggc aattgccccg gtggaacgcc tcatcagagc agtgcgtggc aggcccctgt     120
ggaggatcaa cgcagtggct gaacaccggg aaggaatggg cacttggagt ccggacattt     180
gaaacttggt aatcgagtgt ggatcaagga ctggaacgta acttctttgt gcccacggtg     240
gaaagaccgt agtctgtcgt cctgaccact cccaccgctg tgaaggtaga gggaatccca     300
gcctggatcc accacagccg tgtaaaacct gcagcacctg aaacctggga ggcaagacca     360
agcccagacg acccttgcag agtgaccctg aggaagacga caagccctgc tccagtcaca     420
cccagaagct gactggtcca cacatggccg aagcatgagg aagctcatca tgggattcat     480
ttttcttaaa ttttggactt acacagtaag ggcttcaact gaccttactc aaactgggga     540
ctgttcccag tgtattcatc aggtcaccga ggtaggacag caaactaaaa caatctttct     600
gttctatagt tattatgaat gtatgggaac attaaaagaa acttgtttgt ataatgccag     660
tcagtacaag gtatgtagcc tgggaaatga ctgacctgat gtgtgttata acccatctga     720
gcccctaca accaccagtt ttgaaataag attaagaact ggccttttcc taggtgatac      780
aagtgaaata ataactagaa cagaagaaaa aggaatcccc aaacaagtaa ctttaagatt     840
tgacgcttgt gcagccatta atagtaacaa gctaggaaca ggatgtggtt ctcttaactg     900
ggaaaggagc tacagagtag aaaataaata tgtttgtcat gagtcagggg tttgtgaaaa     960
```

```
ttgtgccttt tggccatgtg ttatttaggc tacttggaaa aagaacaaaa aggacttggt    1020
tcatcttcag aaaggggaag ccaacccctc ctgtgctgcc agtcactgta acccactaga    1080
actaataatt accaatcccc tagatcccca ttggaaaaag ggagaatgtg taaccctggg    1140
gatcaaaggg acagggttaa acccccaagt tgccatttta gttcaagggg aggtccacaa    1200
gcactctccc aaaccagtgt ttcaaacctt ttatgaggag ttaaatctgc cagcaccaga    1260
acttctgaaa aagataaaaa atttgtttct ccaattagca gaaaatgtag ctcattccct    1320
taatgttact tcttgttata tatgcggggg aaccactatc agagaccgat ggccttggga    1380
agcctgagag ttggtgccca ctgatccagc tcctgatata atgggggctt gtccaggatc    1440
tcatcaggac tggatggctc tcgctggact atactggata tgtgggcaga gagcctacat    1500
tcagttaccc taatgaaatg ggcagacagt tgtgttattg gcactattaa gccatccttt    1560
ttcttattac cgataaaaac tactggtact atctgtaaat tccagacatt gtatgagaaa    1620
gcactgtaaa acttttttgtt ctgttagctg atatatgtag cctccagtca cattcctcat    1680
gcttacttga tctatcatga ccctttcacg cggacccctt agagttgtaa gcccttaaaa    1740
gggctaggaa tttctttttt ggggagcttg gctcttaaga catgagtctg ccgatgctac    1800
cggccaaata aaaacctctt ccttctttaa aaaaaaaaa                          1840
```

```
        <400> 8780
cggcacgaga aaaaagatat atacttaggt gtgtagtagc tggttcacag gcatgcatag     60
cctcaactta tataagttat gccaacttgt gttctgaagt gggcatggca gcttatgctc    120
ccagcaggag tctatgagaa ttcttgttgt acatcctcac caacatttgg gattgtgaga    180
cctcatgttt tatccatcta ttcagctgga agtgaaatct cagagggggtt tttaagttgc    240
ttactagtga gcatgagcat ctttttcatat gttgcttggc ccttcctgtt tccccatctg    300
tgatttgacc attcaaggtg tttgcctact tttcaatggg tctattcttt ttgttattga    360
tttgtagaaa tcccatataa attatggaaa catttaggtc tttaactgga attaatttta    420
tatgaatgct gggagataga aataaatttt tgcctgcttt atcttcttac ttgtttattt    480
tcatggtttc ctggcatttt atttttgttt tattttttgc ttttaaatat aactatatag    540
ctggtattac actatgtagc aactgagtgc ttttgtcttt ttaaaagcat ttcgttatat    600
aaaaatgggg tgggcacagt ggctcacgcc tgtaatccca gactttgaga ggctgaggtg    660
ggtggatcac ttgaggccag gagtttgaga ccagcctggc caacatggca aaatcccgtc    720
tctactaaaa atacacaaat tagccgagcc tggtggtgca tgcctgaaaa taccagctac    780
tcggatggct gaggagtgag aatcgccttg aacctgggag gcgaaggttg caatgaactg    840
agatcacacc actgtac                                                   857
```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (193)...(461)
<223> similar to gi339771 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 8781
ccgatggagg cctattccag ccagcgctac aagaactgct aaaaggagct ctaaaccttg   60
aaagaaattc ttgaaatact ccaaaataga acctccttaa accgtaaatc ttacaagacc   120
tatgtaacaa taatatgatt tttaaaaaaa ggtattcagg caacaaatag catgaggaat   180
agaatagtac ctcacatctc aatactaaca ttgaatgtaa atggcctaaa tgctctactt   240
aaaggataca gaatggaaga atggataaga attcaccaac caagtttctg ctgtcttcag   300
tagactcacc taagagtaag gactcacaga aacttaagta aaggggtaga aaaagatact   360
ccatgcaaat ggacaccaaa tgtgagcagg gatcactatt tttatatcag acaaaacaga   420
ccttaaagca acagcagtta ggaaaaaaca aagagggac   459

<210> 8782
<211> 806
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (23)...(556)
<223> similar to gi3875351 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 8782
gcttgaattc gctcgcgggg ccatgccatt cctcgggcag gactggcggt ccccgggggca   60
gaactgggtg aagacggtcg acggctggaa gcgcttcctg gatgagaaga gcggcagttt   120
cgtgagcgac ctcagcagtt actgcaacaa ggaggtatac aataaggaga atcttttcaa   180
cagcctgaac tatgatgttg cagccaagaa gagaaagaag gacatgctga atagcaaaac   240
caaaactcag tatttccacc aagaaaaatg gatctatgtt cacaaaggaa gtactaaaga   300
gcgccatgga tattgcaccc tggggggaagc tttcaacaga ctggacttct caactgccat   360
tctggattcc agaagattta actacgtggt ccggctgttg gagctgatag caaagtcaca   420
gctcacatcc ctgagtggca tcgcccaaaa gaacttcatg aatatttttgg aaaaagtggt   480
actgaaagtc cttgaagacc agcaaaacat tacactaata agggaactac tccagaccct   540
ctacacatcc ttatgtacac tggtcaaaag agtcggcaag tctgtgctgg tcgggaacat   600
taacatgtgg gtgtatcgga tggagacgat tctccactgg cagcagcagc tgaacaacat   660
tcagatcacc agggtaagcg ggcaggccca gcctcctccc ggcagtgggt ccctccacag   720
ggatactgga cagactcgcc aagactttga attcactcct gtgacggaag agtctggtct   780
tttctgatct gctgccttgt tctggt   806

7327

<210> 8783
<211> 1114
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (398)...(1117)
<223> similar to gi4689328 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8783
gcggccgctg ctgaggcgga gactccccgc cgccgcttcc tccatcccca gtccgccggc   60
ctcgcggcgc tgcagggcgg ttgcgcgcag agctcttccc tcctcctttt tcttcctcct   120
cctcctcctc ctccgggtcc ccgcccagca cccctcgcac caggcggcgg cggcggagga   180
ggagagctag acccgccgcc ggggcacaac atggcggagc cctcggcccc ggagagcaag   240
cacaagtcgt ccctcaactc gtccccgtgg agtggcctca tggccctggg aaacagccgg   300
cacggccacc acgggcccgg ggcccagtgc gcgcacaagg cggcgggcgg cgcggcgccg   360
ccgaagccgg ccccggcggc gtgctcacgg ggggctgtcg cagccggctg ggtggcagtc   420
gcttctctcc ttcaccatcc tcttcctggc ctggcttgcc ggcttcagct cgcgcctctt   480
cgccgtcatc cgcttcgaaa gcatcatcca cgagttcgac ccgtggttta actatagatc   540
aacacatcat cttgcatctc atgggttcta tgaatttta aattggtttg atgaaagagc   600
atggtatcca ctaggaagaa tagtaggtgg tactgtttac ccagggttga tgataaccgc   660
tggccttatt cattggattt taaatacatt gaacataact gttcacataa gagacgtatg   720
tgtgttcctt gcaccaactt ttagcggcct tacatctata tctactttcc tgcttacaag   780
agaactttgg aaccaaggag caggactttt agctgcttgt tttattgcta ttgtaccagg   840
ctacatatct cggtcagtag ctggatcctt tgataatgaa ggcattgcta tttttgcact   900
tcagttcaca tactatttat gggtaaaatc tgtaaaaact gggtcagttt tttggacaat   960
gtgctgctgc ttatcctatt tctatatggt ctctgcttgg ggtggttatg tatttatcat   1020
caatcttatt ccactgcatg catttgtgtt ggtactgatg cagatacagc aaaagagtct   1080
acatatgata tagcactttc tacattgtgg gttt   1114

<210> 8784
<211> 1758
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1575)...(80)
<223> similar to gi560151 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8784

```
ggaattcgat tgcaccactg cactccagcc tgggcgacaa agcgagactc cgtctcaaaa        60
aaagagaaac atctttagca ttttctaagg atccctgggg gacgggaggc aggtgtgcgg       120
tgagttgggg gattagaagc tcccagggct cttccgtcag ctgctgggac cccagatcca       180
ctgtgacttt ccttcccagg gaagaccctt cgcacagtgg agccgctgga cagccgggtg       240
cccctgactg cggtggctgt catgcccgcc ccccacacca gcatcaccat ggccagctct       300
gactctaccc tgcgctttgt ggactgcagg aagcctggtc tgcagcacga gttccgactg       360
ggcggtgggc tgaaccctgg gcttgtccgt gccctggcca tcagccccag tggccgtagt       420
gtcgtggccg gcttctcctc aggcttcatg gtgctcctgg acacccgcac gggcctggtt       480
ctgcgaggct ggccagccca cgaggggac attctgcaga tcaaggcggt ggagggcagc        540
gtcctggtca gctcctcctc tgaccattcc ttgactgtct ggaaggagct ggagcagaag       600
cccacccatc actacaagtc agcatccgac cccatccaca cctttgacct gtacggcagc       660
gaggtggtca ctggcaccgt gtccaacaag attggcgtct gctccctgct tgagccaccc       720
tcgcaggcca ccacgaagct cagctctgag aacttccgcg gcacgctcac cagcctggcc       780
ttgctgccca ctaaacgcca cctcctgctg ggctcagaca acggggttat ccgcctcctg       840
gcatagactg aggcaggagc tggccgggca agggtgggaa gacatctgcg ggcgcgtgtc       900
cgctcaccct gttccctgag cagcagctcc ctccagggag gccctgggtc ccacgccctg       960
ggtgcccaca tggcctgcca actagggcct gcaaatggag tggggggagtc ctggcccctg     1020
aatcaccaga gccaccaagc ctgccagagg ggtctcattc atggcttggg gacacagggc      1080
tcctagcaag caggaagtta agagcaggag gaagcgttgc taccttcact tctccccagc      1140
tccgccctct gggtccacat gaggacaggg aagctcggga aggggaaggg agactggccc      1200
tgcccagccg gtctctagcc cctcagcccc cgctgggcac tctctgtccc atccctctag      1260
gacagggaag ctggcctggt ccagggcact gatggtgctt ggattccagc ctaaggaagg      1320
ctggccgtgg tccaggagtt aagggcttgg gtctggggtt taagtggcca cccatccagg      1380
ccctggccag tgtgggaccg ggacgggaag gaagaaggag gctaggagca gggggaaaag      1440
gtgcacttgg ccagtggcgc ctgccaggag tgagtccatg cgttgtctgc ccacccctac      1500
cacagtgttt gtgccttcag ctgagggggc agcctctggg ccctgaaccc ctgctggggc      1560
tccacgaccc tgagagaagg ggtgagaaga atcatctctg cacctcgggt ctctgccaga      1620
ggaagactta agcatccctg cgacctcaca ttctagacag agatgaggtc caggggttgg      1680
cccctgctgc cttctcacaa tttgcaatag atgtaaatag gaccaataaa tcctttggaa      1740
gagccaaaaa aaaaaaaa                                                    1758
```

```
<400> 8785
gggcttcatc cccagaccac aagccgctcg ctgcggctct gttttcctct ctgctcctgt        60
ttctctggag agcagagctc tcctcctccc agtgtctttc tgggccccga gctgtctcac       120
```

```
ctgaaacgcc acttgccaca gccaccctca tccaccaaca antactctgc ctttcgcggc      180
ccataaagct ttctcagccc tgtccactct gaagtatctc tctctcccga ccccctcccc      240
acggtggaca cattctcctt cacagaagaa aggccctggg acccctcagc taccggtccc      300
gaaactgcaa acctagaccc ccctgtgctc caacctcctc ttggatgagg ggcctcctcc      360
tcgctctact gagggagtcc tcccccactg cttctgcctc gtgccttctg actcaaacct      420
cctaggagga cacctgcatc ctctcagcct cgtactctgg ctttgggggg caccaagctg      480
gggtcaccag ctccagcaga tgccttttgc cccttgcctc agacactgtc cactccttcc      540
acgaagctct cctgtgggcc tcctgagcac ctgctccact gaccgcctgg ctgccggctg      600
ccattcctgc cccctctcct tggcctcctt cttctccttc acttatggcg agttttcact      660
gccttccatt ggaagctatc ttttccaccc catggcttcc ctcccatcca gagctctctt      720
cctggactct gcagagagct ccaattcgaa ctgtccatgc agggtctgat catcctcccc      780
tcttgccaag cttctgacac cagcaaatgt cactcctatg gaggcctgag gcaggacctg      840
tgcctctcca atggcagtct aac                                             863
```

```
<400> 8786
ggaggcaaag cttgcagtga gctgagattg cgccactgca ctccagccta ggtgacagaa       60
cgagactctg tctcgaaata aaattaaaat aaaatggggg ccgggcacag tggctcatgt      120
ctgtaatccc agccctttga aaggccgagg caggcgaatc acctaaggtc aggagtttga      180
gaccagcctg accaacatgg cgaaaccccg tttttgctaa aaatacaaaa atcagccagg      240
catggtggtg ggcccctata atgccagcta ctcaggaggc tgaggcagga aaactgcttt      300
aacctgggag gcagaggtcg cagtgagccg agattgcacc attgcactcc agcctgggtg      360
acaaagtttt tttaaaaaaa aaaataataa aatgggacct ccacgctgtg gaggcccttg      420
ccagtctaga gtggtgcttc tttgcaggga cttggaaaca accccccaaa cacagcatcc      480
cctcacacct gccacccact tccttaccgg ctgccgtggg agcctctatc ctgaactatg      540
gaggggcggg gtggaaattt tatataagga ccttgttaag gccaagaaag tcagtttaat      600
cttacaatat aaatatatca tttagtcacc tcagcttatc cccagaggtg tttacacaat      660
tcccaatgac cagtgcagct tggaagggac tgaggctcgc aagtgggtgg cacagtcggc      720
tcttcagtgg ctccaaagtg aagcccctca caacaggaga cacttcaaag aggtctgtcc      780
ccagccacgc actcatgatt gctttttagc agaagtcatg gggccttgag gccctgggtt      840
tgggcaaaag cacagctgcc agcagagcac agttctggta ggtggggcca cggctgacct      900
ggccccagag ctacaggaac aggcaggggc cagcttggct tgcaacacca tgaaacaagc      960
ctgtgggggcc cttagtgtct tctcccgcag agcccaccag aaacacttct gtgagtaaca     1020
gaacctggaa ggaaaagggg caggggtggg gccttggtgg caccgcacag gacgtgcccc     1080
aggcttcctc tccagctgca ctgccacgtg cggccaacaa gagccccgca gccctggggt     1140
gctgaggctt ggtccttccc agcttctgca aatgccctgg cactgccctc caattcagag     1200
ggtataaaca tcaatccaag ccctgttcct cttttccaaca tggggggggac ttggagtgcc     1260
actggaggga aggggggcagt ctctctggaa gaaccagagc tgcacccttc accactggag     1320
tgatcacagc ttcaggctct acctggctgg cttttctcat gaaggatccc gtctcatctc     1380
ccagatcaaa aagaccctct tctaatgctg tcccagcatc taccaacagg ctgacctgag     1440
```

7330

```
ctgcccgtgt cccccgttcc tgtagcctga gacctatcag atgtcatctt ccacggagcc    1500
actgtgctcg cctaaggagg taaccacttc agcctgtcgg gcaaaaggca gggctttgac    1560
cttcacatcc acaggccacg gctgaaaggt aagaagccgg atggccacac ggcacaggtg    1620
cttgaggggc gggggatagc tctccagctg cctcaaggag aagtggaggg cctggatctt    1680
ttccgccagg ctgcccacag ggtggatatc gaagtttttcg ggcagctgga gtttctgaga    1740
gttggtcacc atgagatcca ggacagtctc agctttgcgc aggaggtccg catggctctc    1800
gtcttccgtg cagcctgggt gggaacagag cctctcaaag atgatgtgaa agccagacca    1860
gcaggacgca ccgtgcaggg agcagttgta ggcggctccg gactccagga ggaagcgcag    1920
gagagggaag tgcagtttaa agctcttcag gcagatgtgg gtgagggact cgtgggctgg    1980
gcactcgctg gggtcggccc cgtgtgccag cagcagccgt gtgacttgga agcagaagcg    2040
gttgatcatc tgggcctcct ctttgtcccc tcccacggtc tcaccaagca ggaagatgat    2100
gcaggtgaac actgtgtccc catctttggt ggtggccttg acgtctgccc ctccttccag    2160
taagagacga atgttctcag tattgtggat ctgcaccccg tcgctgctgg ccagagcatg    2220
gagcagagca gtttttccta gggagggagg gagagcaagg aggagcagga ggccaggaag    2280
cccaggtcag ggcaacccag aggaggtggc agaaatccag acactcagag gatcagaaga    2340
tgaactttca gagacaactc tcagctcagg tgagggctga gggtgacggg cttctggcca    2400
ttccctttcc acccagagaa gtgggagcgg aaaggccagg aaaggtagga tttttctgga    2460
c                                                                    2461
```

```
        <210> 8787
        <211> 1616
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (199)...(1431)
        <223> similar to gi2393734 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters



        <400> 8787
ggaattcgcg gcaagatggc ggaccgtggc ggcgtgggtg aagccgcagc tgttggagcg      60
tctcctgcat ctgtccctgg cctaaacccg acgctaggct ggagggagcg actgcgggcc     120
gggctggcgg ggactggggc ctcgttgtgg ttcgtggcgg ggctggggct gctttacgcc     180
ctgaggatcc ctttgaggct gtgtgagaat ttggcagcgg tgactgtatt tttaaattca     240
ttgacaccca aattctatgt ggcacttaca gggacctctt cattgatatc aggactaata     300
tttatatttg aatggtggta cttccataag catggcacat cttttattga gcaagtatct     360
gtaagccatt tgcaaccact gatgggagga acagagagca gcatttcaga accaggttct     420
ccttcgagga acagagaaaa tgaaaccagc agacagaatt tgtcagaatg taaggtatgg     480
agaaaccctc taaatctttt cagaggagca gaatatagga gatacacttg ggtgactggt     540
aaagagccac ttacatacta tgacatgaac ctgtcagctc aggaccatca gacctttttc     600
acctgtgaca cagattttt acgtccttca gacacagtta tgcagaaggc ttggagggaa     660
agaaatcctc cagctcgaat caaagcagcc tatcaagctt tagaattaaa caatgactgt     720
gccactgcat atgttctact ggctgaggaa gaagcaacaa ctattgtaga tgctgaaagg     780
ttatttaaac aggcactcaa ggcaggagaa acaatttata ggcagtcaca gcagtgccag     840
caccaaagtc ctcagcatga agctcaactg aggagagata ccaatgtact ggtatatatt     900
aattgaagat tggcaatgtg tgcaagaaaa ttaggaagaa taagagaagc agtaaaaata     960
atgagagatt tgatgaatga atttcctcct cttaccatgt tgaacatcca tgaaaatctc    1020
ttagaatcac ttttagaatt acaggcctat ccagatgttc aggcagtcct accaaaatat    1080
gatgatataa gccttccaaa gtcagcagca atctgttaca cagcagcact gttgaagaca    1140
```

```
aggactgttt cagaaaaatt ctctccagaa acagcctcca caagaggatt aagcgcagca     1200
gaaattaatg ccgtggatgc aattcataga gctgtggaat ttaatcctca tgttccaaaa     1260
tatttattag agatgaaaag tttaattta cctccagaac acattctgaa acggggtgat     1320
agtgaagcaa ttgcctatgc tttctttcat cttcagcact ggaaacgaat agaaggtgct     1380
cttaatctgt tacagtgtac atgggaaggc agtaagtatt cttttccaaa agtaacacta     1440
atctctctaa ctattcattg aattcacagg cagtcttttt aaatgagatt gtctgggttt     1500
ccataaggat ttgtcgttca gattggtttc aaatggaaat tagtgatgag atatttggtt     1560
tattggtaga aatgcataat gttatattga tcccacaaaa gcagaatgag aaattg         1616
```

<210> 8788
<211> 972
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (330)...(973)
<223> similar to gi206712 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8788
```
tttgttaaaa ggagtctcgc tttgtccccc agggtggggg ccactggggc gtttttttgt       60
ccctgcaagg cccgggccct gggggtttaa acaatttttt tggggtagcc ccccaactaa      120
gtggggctac aggggccccc cccccccccc gggttttttt tttttttctt tctttctaag      180
tagagacagg gtttcatcat gttggccagg atgatcccga actcctgact tcagatgatc      240
cacctgcctc agactcccaa agtgctggga ttacaggcgt gagccactgt gcccagcctc      300
ttggaaagat ttggattcgc ttcatggagc cagggagcag gacataggtg aagaacccag      360
cttgtggctc aagttggcct gaatagggtt cgaggccctg ctcccccggg cctctttgtc      420
catgtgttca aggaaaaaat gggagagtcc aataccaaaa aggtggtcag agatccggag      480
ttgggcctga ttccaaagaa gggtcaaggc caaggcctcg agcttacgtg tggccaccag      540
ggggcagcag ggatcggggt gtgcaggtgg cctttcctcc ccgcctccac tggcccatgg      600
gtcagaagtc cagctcgggc atcagggtgt gcttgaccgg gcagctgggg gtctcgggtt      660
cctgctcgca gatgtccccg gcaacaccca tcctgtcccc atccccattc ccactcccgt      720
ccctgtgctc tgcctcccag gctctctgct gggccggcca gtccaggtgc gcccagcggg      780
ggtcagggcc cccgatgacc tcgtccacca ggtccgccag gtcgggcagg ggctcgggtc      840
gctccacaag gatgggcgcg aagggtccca ccagccaggg cagcggcacg gcctgcacca      900
ccagctccag cagctcgtcc acgcaggcgt gcgcgtgggc cacgcgaccc cggccctcgg      960
ccagcgcggc cg                                                         972
```

<210> 8789
<211> 681
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

```
        <222>  (225)...(681)
        <223>  similar to gi451544 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters




        <400>  8789
caacttgaag ggaaaaagtc acttacaaat acctacatgc tggttttttaa gcaactctca      60
gtgtggtttt ccgaggggcc tgcaaagagg gaagtagtgg aagaaccaga gttctaaaat     120
gaggcgctct agtaggaggc aacaagtaag ctctgcccca aagctccttt taaaaccaac     180
ataaatgagt aacagaagaa aaggattttg ggtccaggaa gtaggctcat tctccataac     240
catcggaaag gaagaggccc aggcagcgct ccacatcctg accctagctt ttaacaccat     300
cgttttgggg agaggagagg aggaacgcac ccacagtgag gtctccaccc aacacttctc     360
cgaccccagc ttcagcctgg cgcaccttcc ttcccaaacc cgcctctccc gcctcggaga     420
ccccctcctc ctccctgcca ccaaaggcca cgcagccccc atctagccag tcctcacgga     480
ccctggacca agacgcgcct cctggaggcc gagactgccc gaaacccggc ccctgcgtcc     540
accgggagcg ccacactctg gcagctgacc ggcggctgtc gccgggggta aggttaccgc     600
tccgcttccg cggctggcct gcgacccggc cacctgcagg gcctggcagg cgcccgaact     660
catccccttc ccgcggcccg c                                                681




        <210>  8790
        <211>  987
        <212>  DNA
        <213>  Homo sapiens

        <220>
        <221>  misc_feature
        <222>  (53)...(990)
        <223>  similar to gi2760483 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters




        <400>  8790
aatcgaagat cattagtcag tgcggtggaa ttcccagaat gaagtgtgga tgccacctcc      60
agcctgcagg acggagcccc ctcccatcat cacacagtgc acctgggctc tgcagcccct     120
tgcctccatt gcagccgcag caagaggcct ccacttgtcc gtcagggacg ctccaaggaa     180
ggaaaaagcc gcccccggac aggggagacc actgtgttct ctgtgggcag gttccgggtg     240
acacacattg agaagcgcta tggactgcac gaacaccgtg atggctcccc cacagacagg     300
agctggggct ctggtggggg acaggaccca ggggtggtc aggggtctgg gggagggcag     360
cccaaggcag ggatgcctgc catggagagg ctgcccctg agaggccaca gccccaggtc     420
ctagccagcc ccccagtaca gaatggagga ctcaggaca gcagcctaac ccctcgtgca     480
cttgaaggga accccagagc ttctgcagag ccaacactga gggccggagg gaggggccca     540
agcccagggc tgcccactca agaggcaaat gggcagccaa gcaaaccaga cacttctgat     600
caccaggtgt ctctaccaca gggagcaggg agtatgtgag tctccttcat tgtgctgatg     660
gactaccagc tggcagggcc aggggggtggg tgggcgtgaa agccctcccc tccactggac     720
agcactgccc cccagctgag ggaccagctc tacttccacc tggagttgca cagtctcagg     780
ctgggggcct caggagaggt cacagcccct cagtctcttc tccttcccct gcctgcaaca     840
ggctgcctgc cccgccttcc ccaacacctc gctccatatg atagagcgtg gcagctggga     900
gcaggcccct gcccgtggtg ggcccctaaa gcaatagcac cgtaggcccc ctgccctctt     960
agcacaagag gcccaggccc tggcctg                                          987
```

```
<210> 8791
<211> 727
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (270)...(727)
<223> similar to gi19923 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



      <400> 8791
gtcggggaat tccacggaca dacgcagacg gacacagcga catgccccag acacgttaag       60
ggactggttg gccaaactca gacacgtgga cagggataga cagaaagaga cagaagctgg      120
ggctacgtcc atgtggacac agaccacaga tgtgggcaca cgaatccatc cacctgtcca      180
cgtgcacacg tgaatgtagc gatagatatt tggacatcaa atttggacac caggtcacgg      240
agaaacacaa acaccaccca ggaacacgca gacatatgcc catagcatcc cacaggccca      300
ggcaggaggt cccacccccag accctgcccc agacgctccc tcaccctctc ggcccccctcg     360
ccctggcccc caggttctct gcagagatct ctcctggacc cccagcggtc tccttggcgc      420
ccacgaacac aggcgtgcac acgcagcgca catgcattga dacacacgat acctcgttcc      480
accttggcgt cacggtgggc tggaggcagc cccccccccc acaacacttg aggccaaagg      540
acaccccttgt ccccgggggct cagcctcccc ctgggccgag gccttggccc acacagctga     600
gggagaggcc cagccctgag cctcccccac caggactggg cctccccggc agcaagaccc      660
cggcactccc cgccaggccc agggtggggt agatgggccc aaaggcccag ccccacactc      720
ctttccc                                                                727
```

```
<210> 8792
<211> 1862
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (831)...(255)
<223> similar to gi1336628 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



      <400> 8792
cgtattttgt gggagaggat atggggggtat tttttccccg gataaaaaag gttttttttta      60
aaaagggaga aatgaagaat ttttgataga taggtgtttt taaaaatgcg ggagttagtt      120
atttttttata tacttctttt ttgaaggaaa atattagttt tgtgattagg gtaaatgggg      180
gggcccatga gaggttttt aaaaaggggg cctttttttt ttttttttt ttttttttt       240
```

```
tttttttttt tttttttttt tttttttttt ttgccacttt tgtattttat tgtggaactg    300
agtttttttt tttcctttac atcaaatatc ctcaatggaa gaggggatat tgcacacaaa    360
tatcataaaa gcactacata ttactttcac tggaaactaa ttttctacat tagatatgac    420
tggataggat agaagtgatg caggattata agacataata ccatacacag ctgcagactg    480
acacaaacac cattcagaac aagagagagg agtgtgaagt gcttctcagc tgggctcaag    540
accacttctt tccagtgctg gaaagagggg ctgcatgcag tgtaggaaaa gcgtgtctct    600
gaactgccac agggtgttct cgaaagggca gcccggtctt gatgccactt ctccatggct    660
cctgttttgg ggagctccaa acaagtgcag agaagctgcc tatttttcc cttcctttc      720
agttttgat gctgccttta aaaatcaact tcatgaagtc acagattttt taacagtaaa     780
tagtttaat accaggtgaa taacctaatt gctttcaaag aaatgctcat ccctaggctg     840
cttttggtgt attgttcagt tggttaaaag ataaaagctt acagttcctt tcaaatggaa    900
acaggatctt tttttttaaa tctgaagcac aaaaaaaaaa agttattatc ctaactcaca    960
atatcattac tgagcaggaa cctcctgtga caggtgacta aagagaggca agaaaagcaa   1020
attcagaatt gtagagcagc tcctaagagc tgaaatttgg taacagaggg aaaatgaaag   1080
gtggtaagat ttccattagc aaatgattaa atcttaatta aatgagtatt ggaaagctcc   1140
tagactgcat aagctattgg agacacttaa aacattcata tacactgggg aaaccattca   1200
ctatgatatg taacgttaag aaaaaaaatt tttttgaact ccatggaaaa tggtgtttaa   1260
agaggggagg aggggaagtt agtcattgta tccagtccca ccacaagact gagaaagcat   1320
gcacagggct cagggttttg agaaagggga cagaattggt taaaattgaa aatggaggat   1380
catcgctaac atttagtctc tgtagaattt tgtttaagaa tactaccaaa aaggtcatga   1440
tcatgagtgc tatctcgata gaatcccatc atttaaacag agtgtaaatt ccttccactc   1500
aaatattcaa tctatacaat tggattaagt aatcagtatg aacaaagctc ctagaagtct   1560
gtgtcgatct ttagctctcc ccatgaatgt acatggtaca ttgtgatggc tgttactaaa   1620
ctaatcgtgt atttatggaa ctagcaaaat taggttagtc acacaggcag gaaaggtgtc   1680
tggaaggaca ggagcaacct gtaatgcgaa tattggtttt cttggtatac tcaggctctg   1740
tggtcattat tgagaacaac ggatggagaa aggtactgat agatttcata ggaaaaagag   1800
ccaggctgac tagtgacagt ttttacatat ttttcccatt aaatcccata gcaaaaaaaa   1860
aa                                                                  1862


          <210> 8793
          <211> 2297
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (1727)...(2297)
          <223> similar to gi200545 in the genepept database release 114,
              Run with FASTXY 3.3t00, default parameters




          <400> 8793
tttttgaag ggcatcactt tattccaaag ttgatcatta gtgaggggga tttttacagt      60
cttctttccc tcctccctca gctgcctcct ggttagagat gctaacaaga attacgatgg    120
tcctaagata ctggaggaag taaaaaagtt gaaggcccta catattttag ttcacgtttg    180
gcatttcttg gtctttaccc tatgtaaggc aaggagaaaa agacatgaaa tttaaattac    240
agataaacac aagtgtatta gtccattttc acactgctat caagaattgc ccaagactgg    300
ataatttata aaggaaagag gtttaattga ctcactgttc cacatggctg gggaggcctc    360
aggaaactta caatcatggc agacagtgaa gaggaaccaa ggcatcttca caaggtggca    420
ggaaggagaa tgaacacagg aggaactatc aaacttataa aatcatcaga tctcgtgaga    480
actatcacaa gaacagcatg ggggaaccgc ccccaagatc caattacctc cacctgatct    540
```

```
ctcccttgat gtggggatta tagggattac aattcaagat gatattttag gtgggggcac     600
agctaaacca tatcctacaa ggaatgactg aaactaaaga tactaatttc ctttcccttg     660
gttggccagg ctgtcgtctt cattactgac taatagagac caagcaggtt ggtttaatcc     720
cattgccctc tagtgctttc caatgttggc caaaatgttg cctccatttt aaacattcct     780
cctggggaag aatgtctttc tatcatacga taagggagaa gagaagagga agcaagagaa     840
aagtttaaag tgttgtacag aagtttccaa ccacaggagg agcaaaacac caaagaagtt     900
gtagaataca gggtgtggtg aagagttgga gccccaggcc gtgctgtctg agaaggcatg     960
ccaagccaag gttcaggctt cctaggacca tgtcctgccc ggagaagcat tccagtcctt    1020
ctcatcatgg agaaatggcc aagccccatg tggttacagg gaagccacgt accccacacc    1080
atctttgcag aaggtttcca gggaagagac aggccaactg aatgacctcc agcccatcct    1140
tggccagagc cccaggccga ggagagctgg gcgagtccat gatgtctgat cagattgggg    1200
ctggggttca ggtctttaaac atcaggaagc ccccaaatgc agtgcccgac aggcttctct    1260
ttgttattga tccctgggtt aactcaaacc atactcgctc acccttctgc agctcagcca    1320
tggcaaagac cgttgctgtg cttccactcc cctgcccagt ggtacagact ggagtccgat    1380
ggtgacctcc aaacaccagc tgcccggtgc ctggccctgg gccaaattca acgctcactg    1440
caaacaggta gacaccacgc tcaggggctc ggaagtagcc atgttcaggg aagtagctgc    1500
tgccaatgtt gatgtatgtg gtgttgaact tcactgtctg caggcagcc gtcccttctg     1560
aaaagctggc atagaaggcc acaggggatc ctgcctccca gagcgccgcg cccaaggcac    1620
ctggcacagg ccctgtgacc cgtatgtcca ccaaaggctc cgcttccttc ttgtccctct    1680
tccggggagc ttccaggtct ttctgctgct tcttcccttt cctgctcagc atggtctgca    1740
gcttccccag gtccaggctg acgttggctt ccatgagccc ttggaagttc ccaaagaggc    1800
tgtggaagag ccgctggtgc tgctccaagc tgcgctgagt ggcgaagagt gcgttgtgga    1860
aggccgtgaa gggaggcgtt gagggaggcg gccccggccc cggcctcagc ctcgcagcac    1920
cgcccccaca ttcttgacgt cgttgctcag gctctggagc tcccgcgcca gcccggccag    1980
ggcggtggtg gcggcctcct cgcggcccgc gtcgtggctg ggctccaggt gctctgccgg    2040
ccgcgggggc tccgaggcct gctccagggc cgtcactcgg gcggccagct cgtcccagcc    2100
gagcgcctgc tcctgcagcc cgctagcggc gtcctgcagg gccacgcgga tctgctcgta    2160
gctcaggggc agcggtcccg gcgtctgctc agacatctcc tccagcacct cctccccgaa    2220
gagcgcggcc agcaccgcct cggtgccgca gcgcgtcctc cagcagggcg gcgaaggcgc    2280
tgagcagctg gcgcacc                                                    2297
```

<210> 8794
<211> 2046
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1751)...(2046)
<223> similar to gi5802174 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8794
```
tttttttttt ttggttaaag tgctgatgcc atttaattag attgtttaca aatttaacag      60
gatggctaca aagagatctt attttaaaag cagctgatgg tttggaaatg agagaactac     120
agtggtgaag agaccaggag gcagctctca gtgaaaccaa cattgcggat gcccttcgtg     180
agccttctca gtcccagcag gaagcccaca acactggcct ccccagcctg cctgctgaca     240
acacctaggc ttactttatc taaaatcaga gtgtaccagg tctgtagcag aaaataatca     300
actaaatgtc agggacctat gagtcattta aaacaaaga gaaagtgaaa gccattaggc     360
aagctatgtg ctgggctgct aacgtagccc ctgcagggag gggtcaggag cgcgctgcag     420
```

7336

```
tgagccttgg gtctcgcagg cccagccctg ctgcaaggag ccagggcacc caggaaacat      480
cagcacacac acacacaggg accctccctt catgtcactt gttttgctgc cctaaatggc      540
ttcttgcacc ctaacccctg atcctggaag aaggcagaga aactggcccg tacagagacc      600
tgcaattcta cgcaagctta acacaactat gagacagaag aggggcacgc agaagaggtg      660
ggcaaaagtg gtcacaacgg cgggggatgc tttgaatact ggatggtgtc cagagccgct      720
tcgatgtcat aattctttgt ctgcaggagc ctggtgagcc agccgccttc atcagagaag      780
cccatggaca gcatctggga gagggactca atcagccgcg ggtcagcctc tggcgggaga      840
tgtgggtaca aggcagcttc cttcagccct gtgggtccct cctgggaggg gtccagagag      900
cttggcccctt cggattctgg catctgtagg gactggagtt cacctgtaga cgggtccact      960
tcttttgaag acagatgggt ccagtcatca tctcctcctg aacagttatc cgactccatc     1020
tgttcctcag ggcgcccctc ggactccaag gcgatcttcc tcatctgctc cgccagagac     1080
tgcgtggcgc cctcaacatt cccacccggc ttgctggggt cagagcagca gctgcttggc     1140
tgtgagctgc tcttctcctc tgtgctggaa ctctctggag agacgggggt caggcggctt     1200
ctttttccctc cgtgctccac atcgatatca acttcaatgc ccagagggct aagggcagct     1260
gccacactct ccccaacgtt cttcaggaaa ttcacactcg gatcctccga tggaccagaa     1320
gctgattctg ccgtggggcc agggcgggcc tcccctgcac gaggaggacg tgggctccag     1380
tttcctggtg gacccatttc ccatcctggc cacccgaagt gtccgtgttt caccttccgg     1440
agccagcggc tgtgcgagaa gccctcagac aggtgcccga aggggctggg gaatgcgagc     1500
ttggtgtgcc cccggtgcaa gcccttttccc tcgcagacgc tacacaagtc gtagtctggg     1560
cagacgctgc acttgtagcg ggttcctacc acaggcccat tgcagccatc gcagatcaca     1620
ttggggtgca ccatgttgcg gggcgcctcc tgagcacacg gtgggcggtg gtcccgccgg     1680
cactctttt tctctttaat gtagattcgg aagatgtcat ccttcacgta ggacatggcc     1740
attgtcaatt cctcgtcact ggaaaaggca accaagtccc cgtcctcatc gcggtagtgc     1800
gcctggaagc cgccaggccg cagcgcgggg aacagggcgg ccacccggct cagcagccgc     1860
tcgcagggtc ccggacccgc cgcagcctcg gcttccgcct caggctcggg gctgcagcag     1920
aagctgaagc ggcgaatctc gcgcgccgcg tcctccttgc ccagaaggta ggccttcacg     1980
gtgagcgacg ccatagcgag cggcgagctg gcggaaaatg ggccgtcccg gtcgcagccg     2040
ccgcgc                                                                2046
```

```
    <400> 8795
agattttctg gcacctcagt ctggacaacg ctgttcatgc tttcccttcc tcccttccat       60
gatcaccttg tttcttttaa cccctctttg cccaaactaa aatgctttct tcactctgtg      120
gaattcagac ccatcatttt acttcgcatt catatttcat aatctacttt cataacactt      180
tgctaactgt acttacatct tctctgcagg aggtgggaat ttgaaaggga aagtaactga      240
gcttttgcta gacttagaaa aacttctggg tgtagtagag atccttgtta gacatgggga      300
caaaggcgag catcccaaag gactccccac tagggtgtct ttaaggcaat tggagcaaat      360
tcaaatgaga tggctcaaag aaaaagaaac aattttcttg agagaacaag aaatttggcc      420
tgaaacttgt tctttacatt atcatactat tttacaattg gacttattca gtaaaaagga      480
aggaaaatga ggagaagttc cttacgtaca ggcttctatg gcccctacc aggattctga      540
```
```

                                    7337
```

```
cttaagagtc aactgcagga tgtgtgtggc tcatgttact tacaggcacc aagaaaccgc    600
gtgggatatc ctcgatgctc ccttcctg                                        628
```


```
        <210> 8796
        <211> 2949
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1531)...(2949)
        <223> similar to gi930045 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```


```
        <400> 8796
ctgggaagcc aaggaagcca aaccacagcc tcagcagcaa tcggacccag aacagtctga     60
acttagtggc tgccagcttc ttcccaatcc ccagccacca caccccctct tccaactcca    120
gaccaaccag agaaagccaa atataccccc ccaaccaacc aaagatgccc ctccagttag    180
tccgctctgt ccccatgcca acaatctcca atcacagcac acccagagcc ttcccttttt    240
ttccactata acatttcaca gtccctgcct gcctttgacc cctgccaaat acaagcaatc    300
atggctgact cctttgcaaa ctttgaccaa atggcctctc tgctcttgtt taggtggttt    360
ttatttccac atctccaaca gggagtctgg aaacaaactg acaatactcg tgaaatcaac    420
acccagatga ggtagaccag cactccagga tgcccctccc cagtatccct cccctgttaa    480
ctgttcccct ggcttctaac accatggatc agttttgctt atttctgtac tttttgtagg    540
aagagaatca tacaatgaat tctctcttga tgatgaggac tctgacctct tttgcttgac    600
ctcatgtctg tgaaatttat ccatgttgct gtgcatagcg atattttcat tcatattcgt    660
tgctgtgcag tagtattcga ccctgtgact tcactgtagc ttcaactgtg gatggacatt    720
tgggttggtg gatggacatt tgggttgttt caggtttggg gctacagtca gcgtgtggtt    780
agaaacattc ttgccaatgt ctcggtggac atagctttct gtggtgtaca tacccaggag    840
tggaactgct ggatcagttt atacgtatgt tcggcttttg gtagatactg ccagttttcc    900
aacagggtca caccagcttg gtccattcag gttacaatga aacaccttag cctgggtaat    960
ttgtaaacaa caaaaaatta tttctcacag ttctagaggc tgggaagtcc aagatcaagg   1020
tgccagcaga tccagtgtcc agggcgggct ctctgcttca gagatacggt gccttctcac   1080
tgcatccaca catggtagaa gggacagaag ggctccctca agcctgtttt ataaggtgct   1140
aaccccattc atgatctcca ccctcatgac ctaaccacct cccacaggcc ccacatcttt   1200
attatttttt tgagatggag tccctgttgc ccagcatgcc tggaccctca acacttaata   1260
gtgataataa catatatcca acccttggta aatgccagga ctcatcctaa gacctacatc   1320
gataaactcc tttaatcttc acaacactgg gaaatatata tatatactta tcctcctttt   1380
acaggtgaga aaactaaggg acagacagat aaatcccttg cccaaggtca cagagctggt   1440
gagaggcagg ttgggacgca ggcctaggct gcctgtgctg cagagctgca cccttgacca   1500
ctgtgcactc tgcctctcat gccctcagct ctaccaggtt gggcaggaga gagatgggag   1560
aagcagtggc cacttgctct gggccaggca cttggcaaac acctgtaggt tcaatctcag   1620
aagaacccag tgaagaatga gccagatact cactgtccac gtggagaagc aagaccagaa   1680
gtctgacatc tgccaaagcc acacagcccc ggaagtgagg gagctgaaat ccaaacctct   1740
gcctgagctc tgcccaccag gtgtctcctc cccagcccat gtagggagct gaagagaatg   1800
gagaccagag gggagggaaa gaggaggctg gagaggagct ccacaggtct tcctcaggcc   1860
tgacagctgc ccctggcttc cctgaggtcc acaggaacct ccagaccttc ccaggattgc   1920
ccagcagggg aggggggccca gtggggcagg aactcaaggc agttgggctc ctggagagca   1980
gccaccctgc cgctcctgcc tgcctcaatg caacggtctc aggctgggct gccaggatgg   2040
gaggcaggtc ttgtggagtc gcccacacac cacatacctg ccctgaggcc ttcagggacc   2100
```

```
aatgcaacag gagaggcatt cccaagcacc acatgttcca gtggtccctc ctgctccacc    2160
tggggccaaca gggctgaggc ctggaggagg aagctcctct ggaggacatg gatgataacc    2220
tggattgcca gtggggaagg tctggagcac tgggggcagc ccaggaccca caaagccaag    2280
gacgggacc cacacaaggc accgtgggga cagagatgct gctctcagga cttggttcag    2340
ccaaggcatg tcctgctgcc aggcctgcag tcccttaact cccctctgac ccagcctcca    2400
caatccccaa gaaagggaca aggggcttcg gagaggggcc aggtgtactg caggaacgga    2460
acagatgggt ggtgggaaga gcccagggct tcactagtgc agacgccgcc ggtacagcac    2520
caccaggagt gtgactacca gcacccctgt cacagccacc tggagccaca gagccccagg    2580
tgagggcctg tggcatggca cctccctctc ctggaacttc cggtcggctt gtggcctggg    2640
gccgccatcc gggtccgcag gtggcccagg gttgccctcc aggagctgga tgctgggggtt    2700
ctcagccacg tggatcccaa aggtgccctc ggacttatac tcattctcct ctgggccatg    2760
gcagggcccc atgcccaagg aggtgctggc actgatggca agatcctccc agcagcccga    2820
gaacgggctg tctacctggg ataccagcac gccaggctta ctcagctccg cggacgcgta    2880
gtcgaccggg aattcggacc ggtcgtgcgg cgtacggctt cataaggttt caaggggggg    2940
ggggggggg                                                              2949
```


                    <210> 8797
                    <211> 1318
                    <212> DNA
                    <213> Homo sapiens

                    <220>
                    <221> misc_feature
                    <222> (818)...(154)
                    <223> similar to gi4580999 in the genepept database release 114,
                        Run with FASTXY 3.3t00, default parameters

                    <400> 8797
```
tttttttttt ttggctctta agggtcttta atggtttcat tttgtggccc ttcccccaa      60
ccctggtgac tgtcccagca agcagtcagt agaggtcccc ggagttcagt gggggcctgg     120
agatgtcgga cttgtgaggg aagggccact ctcccttgt aacctctggt ggctgctagg     180
tggaagctgc agcaaggggg tcccaagtgc agggcctctg ggtgctacac atctcacagc     240
cagggcggtc tggggcattg atgaaggtgc aggaaggaca ggaccagctg ggctggagtg     300
gactgggcag gctggaggca gctggctggg ggcctggggg tagccccaat gatgggggaa     360
acaagcgtcc aagttccccg tccatcttct ggggtgctg agggctaggt cctgtggctg      420
gggcttctcg aggagctgac agcaagtaga ggaaagcagg gtccccatcc tgccgaaccc     480
cgtaagaggc aaggctgcgc tcaggcacac acaggcaccg tccgatgacc cagcgttgca     540
cggctggcgg gaaaccgagc tctgagaaca cctgctcctg gagagctgca acagtgcagt     600
gggggtggac ctgcagggca acgtgtgcag aggacgcggc ggatgcggca gaggcagcgt     660
cttcaagtgt gacctgcagc ctgatggggc caggtgggaa gcaggcctcc tgaagctgaa     720
cactcaggc cacacgatgc tgggccagga cggctgccac ttgggctgcc cccttctcgt      780
ctccacctgc aatagcccgg gccaggctcc ctgccagctc ttctctctcc gtcaagtttc     840
cagggctcct aggaagatct gcctcaggtg gagggccctt gagtgtggag gcttccgggg     900
gactgggcag ggagacaggg catgcttctg ggcccaaggc tggtggtgag ttgctcttgc     960
tgccattctg tccttccacg gtggcacctc ggactaggac tgcccaccgc tgagcttcct    1020
gagggttgag gaagtgcagg ctgagggttc caggccctcc tggtggaggc tgtagctcgt    1080
gctgggtggg gcctcggatg gtgtaggaaa ctgactcctg cggccactcc aaattaacgt    1140
tagagctggt ctttggggggc gaagggtcag ggggcgaagc accggccaca actgaaggcg    1200
gacgcggcct tttcgcccca ggggctcggc ggacgtagat gcatccagcg tgcgactatc    1260
ccagcgccta acggcagctg gacttcgctc ccgggacctc caatgggcta ccacctcc      1318
```

<210> 8798
<211> 1598
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1128)...(1600)
<223> similar to gi3002527 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8798
tatattaatg ccagatatag tatatttcag aacaaataaa ctaatcagag acagagaggg   60
agactatata atgtgcaaag gaccaatcca ccaactcctc gcctgacaaa ttcataaatg   120
tctacgcaag aacaactgaa agtacttaac agagaactag acaaatccac aaatacagct   180
gtatgcttca atgtcccccct ttctcaacaa tttatacaac aaccagatag aaaatcagca   240
agaatacaga agaacccaac aacacgatca accagcggga cttaaattgg caattttaga   300
acacccaacc acaccagaat acacattgtt atgggatgca ttgtgcccag ccccccccaaa   360
ttcatatgtt gaaatcagaa cattattagc cactagtgat ttactaatta aaacaatgag   420
aaaattgctac gtacctatca gaatggccaa cataaaagtg tgaccacatc aagtgctgtc   480
aaggattcag agaaagctgg atcactcata cattgctggt ggggatgtaa aagattacag   540
cccactctgg agaatatctg tataatttt actttttaaaa ctctatgtgc aactaccata   600
ccacctcgga attacattcc ctgcatttat cacagagaaa tagaatctta tgttcacaca   660
aaacccatgt acttcaagtt tatagcagcc ttgttttttaa tagccaaaac tggggaaaca   720
atgtatacac gactttttgtg agatgaatgg ttaaactgtg gtatatatcc acagcatcaa   780
atagtcctca gtaattttt ttaaaaaaac aacaaatgat tgatacccac aataacctgg   840
acgaatctcc acagaattat ggtgagtgga cgaagggtaa tcccaaaggt tacatgtaga   900
attccattta agtaacattc ttgaaatgaa taaattataa gagtggggaa tagattagta   960
gttgccaggg gttaaggagg gaaggaggag cagcactgaa tagaaggggt cataactata   1020
aaaaggcaac atgatgaatc ccggtgttga cggaaatgtt ctgtaccttg cttgtataaa   1080
tgtcaatctc ctggtactgt ggcatttgca atatttgcaa atttattta tttattcatt   1140
cattcatttt tctgagacgg agtcttcctc tgtcgcccag gctggagtgc agtggcgcga   1200
tcttggctca ctgcaacctc cgtctcctgg gttcacacca ttctcctgcc tcagcctcct   1260
gagtagctgg gactacagcg tgcgctccac caccacgccc ggctaatttt ttttgtattt   1320
ttagtaaaga cggggtttca ccgtgttagc caggctggtc tcgatctcct gacctcaggt   1380
ggtctgcctg cctcggtctc ccaaagtgct gggaatacag ggcatgagct accacacctg   1440
gcctggcttt ttttttttc ttttaaagac agggttggtc tctgtcaccc aggcagtgca   1500
gtggcatgat catagctcac tgcagcccaa aactcctagg ctcaattgat cctcttgcct   1560
cagtcccta agtagctaga actgcaggta cacgccac   1598

<210> 8799
<211> 2715
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (699)...(2564)
<223> similar to gi2317964 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8799
agctgcaggt cagcccagca gaagtggcac tgctccgcca agagtctggc tcctggcagg   60
cgctgaggat cagcagatct gcactgccag agcctgtctg tttaccgccc accccacctc   120
cctgctgcag cgctagaaaa agaatttgtc ttccttgggg aggaagatgg gcccgaatta   180
gcagtggagt cctgggcaga aggtggggaa acttggccaa gaacagagcc acggtgtcca   240
cgcaatcaca ccatttattg ctgtgctgtc cggggaagac accgtgcaaa tgccaaagtg   300
cactgaggag aggggagggt ctgtgactcc caaaccctcg aatattttat gaatctaaga   360
gtccagacgc agttcatcca cggagatctg cgccccgtcc acaccaacac ccacgtttgt   420
gcacccacat gtgcacggtg ctcttcagag cggcgaggtc ctccccgcg gggaggaatg   480
tgggagaggc agaggtcact gagtttcctc ctgtttcgtg tcacctcttg gcaacctgtg   540
cctggcttct agaagcggca tgggcaagaa aaggaagcaa aagaggctct ggcctgctcc   600
tccttgccca ggagcaaagc cagcaactgt gtagtcccgc tgtgaggtaa tgcctggcgc   660
cgcccgtgta ttcctgcagg tcaagacaga ttcgggccgg gtggggtggc agcccagcca   720
cggagggcat gcagggagaa caccaccagg actggctgcc tgggccgcag ccacttcccg   780
ccaggctcag gggcctggag tcagggggcg tccttccctt atctgtcccc tgagctccct   840
ggctccccag aagggtcttc tatcaagaac actgggccct gggcagaagg gagggcaagg   900
cccggcctcc cctggtctct gacctctgcc caggtgctgt ggacctgctg agacgggttc   960
agaaggcgcc agagaggaac cagctggacc tgagcctggc tcctgggccc gctcccctcc   1020
tggctgcagc tgcaccaagg ttctcattag caggggcccc cgcctgggtg cggaacatgc   1080
tttgggcatt tgccatgagg cggctgggag ttttgcaaca gtttccaggg gagcagagca   1140
ggaagagggg cttccccgac gatcccattc actgctcctt ctccatgggc caagccatgt   1200
aggcagggga caaaatgtca ggtctcagca gctcccatgg tacctaatgt gacacagaca   1260
aggctccagg ccccatctca ctggcctggg ctcctgacca gtctcggagc catcagctca   1320
ctccccatct tgccctgga gttgagtcac aggcttggcc ctggccacaa atggccagta   1380
cagaaggggc caggcacaca gcacatgagg gtctggggtc tgggtgctca cctggctgtc   1440
acccaagctc ctccaagaag gccccaagga ccttgctgcc tggaaagcca tctgtttggc   1500
tccttggcac ctggcatgcc cattccctga aacccagtct ggtgtggtca acatgccgca   1560
gtctccttga gtgagcccgg gagcagaagc cccatcccag gaggggagtg tggcggcagt   1620
gccaggcagg aggcagctct ggggcagagg tgtggacagg agtctcccac cgccctggtg   1680
ctggctcaga cctgcccttc cggggctggg gagacgttct ggcgaggatc atgtggggga   1740
aacttgacga aggcaatggc agccagctcc ttgcagaact cctccagcac caccacgccc   1800
tggaggaggg tctggtggtc cagctgctcc ccaggagcct ggcccgtcaa ctgcttgcgc   1860
accaggagca gcttgcctgg gaactggggt accctctgga ttctctgcat caagtccccg   1920
atcaccctca ccaacacgga gaataggctc ctgcagccgg gggccaggct gatgtacgga   1980
tccagcaggt actcatgaat atggggtgg gggaagaggg caagccggga caggaccgag   2040
gtcacctgca ggttcaggct gtatggctga tccagaatcc gggacatgcg gtcaaacagc   2100
actcggagga agtggccctc gaagaaaggt cgctcgggct catgggggtc caaaggtgtg   2160
ggggtcagag gccagcccca ggaggcgacg cgggagctgc actcctggaa caggccataa   2220
gcatcgtgga cgtatgtgtc atagcctgtc tcctccagga aggcagaggt cttggcttcc   2280
tcggggacca ggcacaggaa actgttgacg atctcggtca ctgctgtttt gccatcgtaa   2340
ctggtagcag gagctaggcg aggctttgcg ggagtttgaa agccggaatc caggaagctg   2400
tcggtgaagt aggggtcttc ctccaggtct agggtgtcct catagctctc aggctctggt   2460
gagccccagg ccacgtaagg gcggccctca aggttgcgca ggaccaggct gtggatgatc   2520
ccctcgtggg gcttctgcag cagctcctca aacagccgga gtgtggtgat gctgatctca   2580
tcagagaggt ggtcacaatg cccgatgaga tgagcataca gggtgtgggg gttgtccccg   2640
ggggcttcag gctgccggtc tgtgcccagg aggaaagcca cggcctcccg cagcagcgca   2700
ggggagcgaa gctgg   2715

<210> 8800
<211> 1669
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (746)...(1665)
<223> similar to gi386433 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8800
tttttttttt ttgtagccca aggagtttag tctcctttgc tcagacagac agatctttat   60
tagtgttttc aacttatttt gctcacaact tcccagcaag aaatgtctta cattgcaacc   120
agttctcaca tttagatgta tgggtgaaaa gtttcacaaa acagtatttg cctttactac   180
atgatgcatt ctggcctact ttattctgct tcattgctgt gtaatgctgg tgaccacttg   240
ctaattgatt tcccatttta ctaaatgggc tgggacccac ggtctgaaaa ccctgcctta   300
ggctgcaagc atttctgtga tctctgcgag ctactccata taggtaaaca cacgcgaggt   360
aaactaggaa acagcttctg cttttgcaga ttagaagtga agttgacatc acgccaagta   420
cgaaaaggct aaacagctga caaaatttcc acttgagcaa ccctggggag cgcaaacagg   480
aggaatcggg gcaagggtga cttgaagaaa gcactggcag atcacgcact ttaaggcaac   540
tctacactgc acaatgtcaa ataacctagc atggggcggc actaaatggc tgcaggaaag   600
ccgagtcttc ttccacatcc ggcggctccc ctcggatgcg agcgctggcc cagggtgtgt   660
ttacagaggt gagggcttcc cgtggaccct tctcgttggg agcgcttagc ctcaggagcg   720
gattcagggc acaggcagag gacgtccaca aacaccacag gaagccgcca cccaggggcg   780
tggaaaggcc caatgcctcg tctgggattc acggccggca aagcggcccc tccggaacgg   840
gacagcacag cggctcacct ctgcgcctct gggggtgcgg ggggagcctc gccctccacg   900
ctctctgggg gaccgcccgc cctagccccc gcctgggctt cgcgggtgga cggttggggg   960
ccccgggcgc cccccagcgc gtagcttttc tccttctcgt gggtcttctg gtgctcggct   1020
agggccaggc tgaagtggaa ggtcttccag cagccctgac aggcgtagcg cttccggccg   1080
ccatggctgc tgtggtgctc catcaggtgc gagagccacg cgaaggcctc cccgcactcg   1140
ccgcaggcat agggcttccc gcgggacaag cccggctcgt cagccccagg gccctgcccg   1200
gcctccagcc ctgcgctgtc gccggagcta gagacgccct cgaggctctg cccgtcccca   1260
tcctcggggt gcggcctctt ggttcccagt ttcgccgtgc ccctgtccgg ggcaggctgc   1320
tggatgacgg actgcctctg cgatccggtg gcagagtcgg actccgcgtc ctggggggtcc   1380
tgcgggtccg gggccttccc aggctgctct tcctcctcct cagtggtgcc cgacggggga   1440
tcggcaaggg cgtccccagg gggcgcctcc gtaggcagct caggcagcac ccccgcgggg   1500
gcggcctcct cgcaggcgca cccagcgctc tcctgccgcc tcccgccttc tgggaggctg   1560
cttccttgtg gatctctttc caccaaccgg agttcctcag tgtccagcct ggaggcagcg   1620
tcaggctggg aaagctgata cccccacagg agcagcttcc ggtagctct   1669

<210> 8801
<211> 996
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(997)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (604)...(996)
<223> similar to gi19390 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8801
```
aggaccgccc acataggacc gcccacatgg gaacgcccac atagaaccgc ccacatagga      60
ccgcccacat gggaccgccc acatagaacc gtccacatgg gaccgcccac atgggaacgc     120
ccacatagaa ccgcccacat aggaccgccc acatgggaac gcccacatgg gaccgcccac     180
atgggaacgc ccacatagga ccgcccacat gggaccgccc acatagaacc gtcctccagt     240
ggtgaagcgg aaacacttag ctttatccac cctccccact gggaactggg cacgcctgtt     300
gtgagtgccc tttcctggaa ggtgttttta tctggaagat agaatccaag tatttataac     360
tcattgtcag ccaaatgcta tcatgaacgt aggaaacttg attttttgt tttgatcatg      420
gcctctacat gcacctttcc agagtggtct cttctcaggc ccttttagt ccctttccaa      480
agctgccccc accaccctgc tcctctggcc tcagtgcaca gtggccccca gcctcggcca     540
ggcctgctct gctcagcgcc caccgcccac caccctcct gcttccccga gcctgaccct      600
gttccgccca ctggcaatca gggctgcgca cttccctgtc cacggtcccc aggccttcct     660
gtcttgtccc ttttgatcat tattaactca gggtttcagc tnccaaacct cgctgagttg     720
gtgccagctc cgggtcantc cctggggtgg ggaatcggat cattcctgac tcagcttata     780
ccttaatttt atttgccaga ggattctttt cctcaaaatg ctctggcatt tggacacaca     840
tcacatgtcg atatttgcat aggagtcatt ttcagtggaa taacatttt aatgtgtggt      900
tttacggttc aaggaactac atgatgattt tgaggaaaca cttgccagaa actaaattaa     960
cgaataaaag atttccagtg cccgaaaaaa aaaaaa                                996
```


<210> 8802
<211> 1349
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (96)...(1349)
<223> similar to gi5420389 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8802
```
ttttttttt ttcgaggagg gtctgggcta gtttatttc tctctggagg ggtcttcagg      60
gagagcagtc ccggctgctc aagcgggtgg gaaggagcgg ccgctcttgc tgaaaggtgg     120
ctgggagagg tcctggtcac agtcggagtc agagtcccag gaggggagtg gagggctcag     180
gcactggtgc cccttgtggc ctcttaggct cgaggccttg ggacaggccc ccgagcacaa     240
agtgaggctg tctatggagt tctgcagcac gtgcacagca gaccatatat cactcagttc     300
```

```
cttctggagg tcatccttcc agcagccact ggctccctgc ggtatctctt cagtctccgg      360
acaggcggct gtctcatgac cctgctgctt catcttggtc aggattttgc ggcatttcac      420
ctgcgttttc tgcattttct gaatgttcac caagttctct gagatctcat cctcctgcgc      480
ttggagcttc tgatagatga aggtcacctc ctcccgcacc agttccagct cctcccacag      540
gaacttcttg ctgtcccgga tctcctgggc cagcagctgc aggcagcgag tggtgcgggc      600
ccgctgcatc tcctcactgt cacgcagggt cttctccagc ccctgaaggc cttgggtcag      660
ggccccatac agctcctgcc ggccctgctc catgccccac ttgtgctcct ccttctctcc      720
ctggcggcct gtggggctca gcacctcttc aagctgctga atcttgattt gctgcaagca      780
gctctccttc tccaacatgg tcactgagtg gttcaggaac tcgaaagcct tggtctgggc      840
ctgtaactgg ctcttgagtg actcaagttc acatcgcagg agcttctggg agtcgggaat      900
catcacaatg gtcttggctt tgactttgga agagctggtc tccaagggct tcagattcag      960
cccatttggc cccgacgcct ctgttctcgg aatccgggtg ctgcggattg aggtcccggt     1020
tcctaacggt gggatcggtg tcctcgggat gagatttggc gtttcctcgg ggctttggtg     1080
ggatcggtgt cctcaggatg agatttaggg tttcctcggg gctttcggga tcttcaccta     1140
atatccggta ttattttatg agaggagtgg tcttggctgt cagaactgga tcccttcgga     1200
ctagtgcaga gcaaactctt ccccttctac ttccacatct ccatgggctg tgccttcatc     1260
aacctctgca tcttggcttc acagcatgct tgggctcagc tcacattctg ggaggccagc     1320
caggtacgtg ggtttgagtg ccacacgaa                                        1349


<210> 8803
<211> 1438
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (760)...(1438)
<223> similar to gi9447 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters


<400> 8803
ttttttttt ttccttgtcc agtgctgttt attgagtcca tcatcagagg caggaaagac       60
gccactcatc acagagggca tgtgggctgc gggcaggggc ttagggtcct gcagaggaca      120
agtagctggg acagcccttc accccgacac cccatggcct ctgtgaggca ggctgaggag      180
acaggacagg gaatggccag gtgcagaatc tgcacagccc cctgccgggt cgcagatggc      240
caccacccag caggcccctg gcactcaccc acaggcagtt ccccacccca cttcccccctt      300
ggaccctccc aaatcagggc cggggagtga acccagacc tggccccgat ggcaggaggc       360
accctagctg cttccagggc caggaggggt gggtgggata cagtgaggcc aaacaaggca      420
gaagcgggtg cagtagtccc tggctactgc ccagcttccg ggactcccac agctgggctc      480
agccttggtc ctggcagtgc tgggctcaga aatacagggc tggctcgctg cggaagtccg      540
agaggtcatt ctgactggcg ggtgtgagca tggcctccac gggcggggggc tctgcctccc     600
tcggggcctg ctccagcgcc tgctcctgcc acttgctgaa ggccacagag tgcttcgggg      660
tgtagctgga caggcctgag ctaccctctg gcagccgaga gctctcgggt ctcacgctgc      720
tcacaaacgt ggcccggggc aggaagagtg caaagggctt ctcctctgag ccggatccct      780
cttcctcctc ttcctcttcc tcctcctcct cctcctcctc ctcctggtgg tccacctctt      840
cctcctgctc tagggagctc tcggaagggt actcaaatgt ggtctgcagg cttttgtcgt      900
tgaaggagat cttcatcttc tttcttgagg agccagcctt ggtgaggcag gacttctgca      960
gggccaggta gccgccaatc acctcgatct catgcacggt ggggtagcgc tttttcaacg     1020
tgggccccag gaggcaacta gcctcctcct cctcggcctc ccgtggccaa ggctccctgt     1080
tggcctgact gaagtgctgg tcctgcagag tccctggctt cctcttgggc accactgtga     1140
```

```
aggtgttgct gccccggggc tgaagctctg ccacgcaccc gggcctggca gggtgcagag    1200
gcctggcagg gtgcgggagg tagggtagtt tggctgcttg gggggcctcc tccgagtcta    1260
cctcatcgat gaaggtgaca ggcagccccg gcctcacata ttcccggcta ttcttggcca    1320
agccaggaac cctgaggccc tcagcaggct cagcttcttc cgaagcagcc ggcaggaagg    1380
ggggcggtga ggacggcctc ctcgtcccaa gctaggcgta atgatggtca cagatggt     1438
```

<210> 8804
<211> 851
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (371)...(811)
<223> similar to gi3980113 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8804
```
tttttttttt ttcagaatcc aaaaggactt tattttctgg cactgggagg cgccctgagg      60
ccacagcctt ttcccagggc tgctggcagg gtcccagggc tgctggcagg gtcccagggc     120
tgctggcagg ggttgtggtc ctgttgagca gaggagcgac gccgctgccc tggcccccgc     180
tgtccctatg atcctgcact ctggggtggg agctacatat catccttgga caccaggcag     240
tagaagtctg tgcgggcact gtagtttcgc gagccgagat ccgagacgtc cacttcgctg     300
ctccggctct ctcccagcga daccccactg gtgtgcggtg gagctgatgg ctctccaaaa     360
acaggccccc ggacacccag gtcgccctca gggtccgggt ccacctctga gtccagggcc     420
cggccctcag ggactcggcc tcgaagaatc agcatgg gt ccttgtcgtc ctgcagctgc      480
gtctggggt ctccttccac cggcctgtac cgcaccttcc gcggcagcgc cagctgcact     540
tctttccaaa aatcggagga aggagtcacg gagccgggcc tccagagcag caaggtcacc     600
aggtggcggt gctggcgcag caggcggagc gccgggtgcg cggggtcgcg cctctggccc     660
tcgaaggtga tgaagatggg tctgcgggtg agctccagca gccggcacag gccctccctg     720
cggggcggga ccgtcagggg ggtgggtgct acgctggggc ccacccaacc ccgcgcggga     780
cccaccggaa gctgtggctg caccaggccc ggctcaggaa ggcgtccgaa agcaccacga     840
tgaggcgtcg g                                                         851
```

<210> 8805
<211> 1058
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1051)...(1058)
<223> similar to gi453373 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 8805
```
tttttttttt ttgcataaaa tactgtttat tttgtccttt aggaagacta aagtagtcca   60
gctcccctac agcccagtct tgcccccacc ctgcactctg tcgccttagt tcctggggac   120
caagcatctg gcatttctca agcagaccct ctccttgttg ctccttttca gtccctggag   180
tctggcttcc caaagccaaa gctggaggag agctcattgc tgaggaagca gggttggagc   240
ctgaggagat gcagagggcc tggacccctc gctggatccc agaggcccag gggcagagat   300
gctgggacag ggctctaggg gaccactggg tgactcttga ggggctagaa gcaggctgg   360
gtgactttg ctacggtggg ctgcaacact gtctggcttc tcaaagcgct tgccgcagaa   420
ttcacagggg aagcgcaagg cagccaccgt ctctgcatgc ttgcgctggt gccagttcag   480
ggaagccttc tggcggcagg taaacccgca tatctcacac tgcaggggtt tttctccagt   540
gtggatacgt ctgtggatga caaggttgct gctagtgcgg aaagaccggg cgcagaactc   600
acagatgtag tcccgggtgt cactgtgcag cttcatgtgc tccttcaggt gtttcttaaa   660
gttgaaagac ttcccacagg ctggctctgg gcaggagaaa gacttctggt ggatgtgctg   720
gtactttttg tggtgctaga gaaggaagtg ggtggtaggg agagaagagg caaaagcata   780
gccaccttcc acggagagat gaactgagct gacccggcag gcatgctcct ctgtcccctt   840
cctggcccct gtgccccagc agttctccct gtcatggcct gctcgtttcc ttgaggatca   900
gtcctcacct acaccatgag taccacaccc atcccatcct gaccactcaa ctctcctgtc   960
acccaattct gtgctttact tccattatct cacctccttg tcacactctc accctgcaat   1020
gtcctgcaat gttccctgta caaagtatca ctctgggt   1058
```

<210> 8806
<211> 462
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (36)...(431)
<223> similar to gi451544 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8806
```
ccccaggtcc gcacggtcac cagatgccca tggctatttt agggagggga ggaagctttc   60
cccttacagg gtgagcctac ctgtccagtc accaaggttg aggggggggct ccgaagcccg   120
cccccccccc accccccagct ggaggcccgg tccacccagc cagccagccc agcactcagc   180
atccccggcc cacccagcca gccagcccag ccctcagcat ccccggccca gtcacccagc   240
ttctcaatca tgtcccgcag catctgatcc tcctcttgtt ccctgaaacg ggaccagatg   300
gccatgagcg acaatggcaa tggcaaggtg ccctggaggg gcctccggac agtctccagc   360
agtggcaccc cagccctgag tcccgcctgg acccatgcca cctgcccctt cctgctgacc   420
tcgagccggg tgaattcctc cacactgcct acgaatctca aa   462
```

<210> 8807
<211> 2855
<212> DNA

<400> 8807
```
cccaaagcgg gacaggtcca gcggttgttc tgtgtgaagt cgcgcggctt ccacccacgc   60
agtgttctaa gtgaaggcca gaaactcgct cgccatgtcg gctgcagagg cggggggtgt   120
tttccacaga gccaggggca ggaccctggc cgcgtttccc gcagaaaagg aaagcgaatg   180
gaaaggccca ttctacttca tcctgggcgc agacccacag tttgggctga tcaaggcctg   240
gtccactggg gactgtgaca atggcggtga cgaatgggaa caggagatcc gtctaactga   300
gcaagccgtc caggccatca acaagctgaa ccccaaaccc aaattcttcg ttctgtgcgg   360
cgacctcatc cacgccatgc cagggaagcc gtggcggacg gagcagacgg aggacctgaa   420
gcgagtgctt agggcagtgg acagggccat cccactggtc cttgtcagcg gcaaccatga   480
cattggcaac acccccacgg ccgagaccgt cgaggagttc tgccggactt ggggagatga   540
ctacttcagc ttctgggtcg ggggcgtcct gttcctggtc ctcaactccc agttctacga   600
gaacccctcc aaatgcccca gcctgaagca ggctcaggac cagtggctgg acgagcagct   660
gagcatcgcg aggcagcggc actgccagca tgccatcgtc ttccagcaca tcccgctgtt   720
cctggagagc atcgacgagg acgacgacta ctacttcaac ctcagcaagt ccactcggaa   780
gaagttggca gacaagttca tccacgcagg tgtcagagtc gtgttctcag gccactacca   840
caggaatgcc gggggtacct accagaacct cgacatggtg gtgtcatctg ccattggatg   900
ccagctgggc agagacccc acgggctccg agtcgtggtg gtcaccgccg agaaaattgt   960
tcaccgatac tacagtctag atgagctgag tgagaaagga atagaagacg atctcatgga 1020
tttgatcaag aaaaaatgac gctccttccc gttcccgttc acttttcact tgcactattt 1080
ttttattttg ccagaaacag cagctgcaca caacctcttg ctgaaatata aaaatagccc 1140
aggcaggttt gtgaatttat gtccttttgc ataaatcaga gagctggggc cctgtcctga 1200
attatattca aaatagaact gcatttcctt taaaatggag cgaatgatcc tggaaatcag 1260
tttttaaaat attagactat ctctgcatgg atgtttgaat aaattctcct aatgctgtgt 1320
ttctcaactc cactttgaa ttggattgta ttctggttag catatggtca aagtctgcct 1380
atcgacctca attccaatct gacagccaag tatgatcttt gataattcct aaacaaact 1440
acacctgatt gtattaaatt gtggtcacga ttcccaaaac gctaggcaaa acaaagttca 1500
tctcctttcc tttccagcgg aacgaacagc tgtctgcctt gttgtgagag ccatgcagac 1560
ttattttgac aaggagccaa gtaggcacca tttactgttc aattctgaga cttctgatga 1620
taggaacaga atgcagttga tacagctcgg agcttaaatt tgccttcctg ggtgcctaga 1680
aaagtcacct ttgcacataa attggccatt tctgaaaatc tcctccaaga gactgaaacc 1740
aaagctctaa aacgccgctt cttcagtctc tggggagcac gttgagttgg ttcacatcca 1800
cattctggct gtgtagccac tccacagatg ggtggtctct tgggatcaga atgcccctcc 1860
actcatgaga ctcttcattt tgtccacttt gacaggaaaa gtgggaatgt atgcagagct 1920
ctcaaaagaa acaaaaaagg ccaaaacggt gccttcagcc acatcctctg aattggccct 1980
gacttggact aaatgcacta atgcaaaatc ccttgacaaa agcgcatagg ttatttcaaa 2040
ccagcattgt tttttatgta acctgtttta ccgcatcttc tcagcagctt ctgaccactg 2100
ctcaattttc tcctttacag ccattgttct ggtggacaaa taacctaggt actccaaatc 2160
ctggcaggaa aaatatacag cattatgaaa cagcactcag taatcctaaa atgatttcca 2220
aagctggtta cacatgacct gcaaagtcta ttaaattaaa agactttctc attacagagt 2280
ttagtcaacg tagcaaaacc atgggaaatt aaatggaaag ataattaaat atgtaaattc 2340
ataaggaaca aaagacgaga agttaattat acaataggct ggtgacacca gagttcattg 2400
ttatgtgcca caagaaaatt aaattttta aaaaactaga acgctcttct tttagtgttt 2460
tgctgaaatc ctgttttgta tttgtttctt tacaacaggt gtaggtatag gaggtcaaga 2520
aaaggagttc ggtaaagggc atagctaata acaaccacac attgggccag gcgcagtggc 2580
ttacgcctgt aatcccagca ctttgggagg ctgagacggg cagatcacct gagatcagga 2640
gtttgagaac agcctggcca acatggtgaa actccatctc tactaaaaat acaaaaatta 2700
```

7347

```
gccaggcatg ctggtgcaca cctgtaatcc cagctactcg ggaggctgag gcaggagatc    2760
gctggaactc aggaggcaga ggttgcagtg agccaagatc atgccactgc actccagcct    2820
gggcaacaga gcaagactct gtctcaaaaa aaaaa                                 2855


        <210> 8808
        <211> 1014
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (243)...(960)
        <223> similar to gi3044086 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters


        <400> 8808
tgccacggag atcacgtcca gcggcttccg cctgggctgg ccacccctgc tgaccgcaga      60
ctcgggctac tatgtgctgg agctggtgcc cagcgcccag ccggggggctg caagacgcca     120
gcagctgcca gggaacgcca cggactggat ctgggccggc ctcgacccgg acacggacta     180
cgacgtggcg ctagtgcctg agtccaacgt ggggctacgc ctggcggtta ccccgcagct     240
agccccggcc ccatccccgc ccagagccgg gcgttcgtgt gggtccgtgg gtgataattg     300
agagcgtcag acccaggact gttcagggag gagccccggt cagactccca cgtgtgaaga     360
ccgggcccca agtggcaagg gctggcctgg ggcgggcagc ttgggtcctg gacgttgata     420
ggaagcggaa ggggaatcgc gggaagctgg cccaggtcag gtccgcaaag gcttctgaag     480
aagaggaagg gcgagtaggg gcacctggac gctgatggtg gccaggatgc tcagctggcc     540
aggagggcag cacctgctgg ggacggtggc cctgccttca tgcccaggac accagctggg     600
tccagctagc agccactggg aatcagagga atggggcaga gctgggcatt caggaccttg     660
aggacacgtg accccacccg cccaccgcca ctatcaggcc ccgggaccgc actgacagga     720
aaccttccgt cgtgagggag cacttcccag gggccgcagg gacgacactc tccagggagg     780
ccccagcaac cacaccatct tcttgctgtg agaggtctca ccccgggcta cctcctgtca     840
ctactcactg ccctggggtc cgtgggcaag ttgcccaggg tgggggtgcc tagccaggtg     900
cagtccccgc cccgcctagt cctcggcgtc acgcaatgct cacctcgcct cttccccact     960
aacatcccag actttaaaat tcagtaaatc agatgtacac cgagaaaaaa aaaa          1014


        <210> 8809
        <211> 438
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (12)...(436)
        <223> similar to gi433707 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters
```

```
        <400> 8809
caatgatgtc cttggtccct gtggtggaat tcgtctcatc cagcggctgc ggaactgggc         60
gtccggggtg cgcggggcgg acagggctgc accatggggg gcttcgggct ccgtgtgtcc        120
gggacccgct cctgctcctc acctccctcc taagccggga cccttcgctc tccccgaatc        180
tccctgggaa cccccagcta gtcacccctt cagcccggga ccctctcctg gcctgggaac        240
cactcaggcc tgggatttcc ccagtccccg accttcttag ccttggatct gtgggcccgg        300
actctggctt tgctcttcac ctgcaggacc cacatccgtt tccccgagtg ttcatcccct        360
gccttccctt aaaatgcgca tccccggacc atccctggtc ccttgccctc tcctttcctc        420
tctcctgggg tgccttgc                                                      438




        <210> 8810
        <211> 1266
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (485)...(1202)
        <223> similar to gi3044086 in the genepept database release 114,
          Run with FASTXY 3.3t00, default parameters




        <400> 8810
tctcccaaga gtcaaagtag gtaatggagg aagaaggatc tgaagacgca gggaagtgcc         60
caggcccccg cagggaggat gaaagcagcg gtgcctgcca cgcccgagaa gcaggctcca        120
actctcgtgc tcgtcagcag ccgcactgct gcctgctttg tcattttatg cttatgtaaa        180
aaaatacttt ttgcaagaaa aatctacagg tacaaaatgt catcccagcc ccatacagta        240
ccaagtaata tataggcata tatatatata tatatattta tgtatttata acagaaaatt        300
ggatagaaat tattccaggc atatgggatg tggttcccct gggccagaac cacgtagggc        360
agaggagccc tgccctccaa gtgtgcatgc ccaccaaagg gacaggggct ttcaggagtc        420
acaccagatc acgcttggga ccttttttaga gcctggctga gccacccttt ccagagttcc       480
agtgagcagg gggcccctca gtgcatcttc cccacctccc ctgcttccag ggacgctggg        540
ctgcagactt cgcagctgct gccacatggg gttggagcct ccaacagcat catccctgag        600
tagacctggt ccactgagtc ccacaggtcg gctctctgca gcctttccct gcaggtcacc        660
accctctaca ggcaatggca aggacgcgac atcacaggta gacagcccac atcctctcat        720
ccttccggtc tcctggactg gagttgtccc ggtgccctgg agacccagtc actgccacct        780
ctccctgcc tggactcagc aggggaaaga ctggaggccc tgctcctgcc ctttggctct         840
gccagcaccc ccgaccagcc ctatatctcc tcctccacct tcaagatcat ccctgagaag        900
acctcgagcc ccgagtgggt gcccttgggg ctgtcctggg agcctccagc aggcccctgg        960
gccactccac tggcaggact accgtcctgg agtgagggtg aggcttcccg ggtagggcgt       1020
gcttccacca gcctctcgag ggtccggttg agggcctcca cgccatcggc cagacgctgg       1080
ctctgctcgg ccagccgctg cagcagcagg ttttgctggg ccatgagtgt gctctgctgc       1140
tgggcccagg aggacagcag ggcgccctgc tgccggtggg agtccagcag ctgctgctca       1200
aatacggacg tttcagatgc tgccgctggg gtcctcctga gggcaaggga ggtgctgaat       1260
tccggc                                                                  1266
```

```
<210> 8811
<211> 1554
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (706)...(0)
<223> similar to gil185397 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



        <400> 8811
ttgaggtggc gcggcgctaa gatggcggcg gcggcggcgg cggccgtggc gggggtgggg    60
cgcggtggcg gtggcgcgga gccacggcag gagcggagcc gggcccggtg ctgggccggc   120
gtcgaacgca gcgaaggccg gaggatggaa ccaggtgagg agctggaaga ggagggctct   180
ccaggtggcc gtgagatggc ttcaccgccg agcacctggc tgcagaggcc atggcagctg   240
acatggaccc ctggctagtg tttgatgccc gcacaacgcc tgccactgag ctggatgcct   300
ggctggccaa gtacccacca tcccaagtta cccgctatgg ggaccccggt tcacccaact   360
cagagcctgt gggctggatt gcagtgtatg ggcagggcta cagccccaac tccggggacg   420
tgcagggcct gcaggcagcc tgggaagctc tgcagaccag tgggcggccc atcacaccgg   480
gtaccctgcg ccagctcgcc atcacccacc acgtgctctc gggcaagtgg cttatgcatc   540
tggcaccggg cttcaagctg gaccacgcct gggctggcat tgcccgggcc gtggttgaag   600
gccggcttca ggtggccaag gtgagcccac gtgccaagga gggtgggcgc caggtcatct   660
gtgtttacac ggacgacttc acggaccgct tgggtgtact ggaggcggat tcagccatcc   720
gtgcagcggg cattaagtgc ctgctcacct acaagcctga tgtctacacc tacctgggca   780
tctaccgggc caatcgctgg cacctctgcc ccactctcta tgagagccgt ttccagcttg   840
ggggtagtgc ccgtggctcc cgagtgcttg accgtgccaa caacgtggaa ctgacctaga   900
ggggccaaat tggggagact gcccactccc ccctccatgc tggggttgga tcctcctgtc   960
ttcctccttg tcccatgaag gccacacccc ccagctctgg ggactcctag gtcacttggg  1020
aactacctgc atcttcagtc cccttgaact tctgccctct gttcagggct gacacaagcc  1080
ccacaggctg gggggctccg gttccctgag ggatgagcct tcagcctccc tttgtaatgc  1140
tgctcctctc cactgcccag caccatgagt tgggtgcaga cacctagaag gagagacttc  1200
ttggaacgct catcccccgc tatacctccc cttcctcctg catctcccct tctttccttc  1260
cccctcagga gagagaaaac ttagtgcttc cagcccttct tggagccttc atggtccagg  1320
ggtaggggcc ccactggcct gagcatgcca ttttgagggg agggtagttg tgcctactta  1380
tcccctggca gaggggatgc caggaccatg gacatgaggc ttgcccatcc ctgccaactt  1440
acacagcctg taccactgtc ccccttcct tggctacttt gacatgtgcc tgctcctggc  1500
atttcaataa aacccggctt gggtctgtgt cttgagtgtt ttttaaaaaa aaaa        1554



        <210> 8812
        <211> 887
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (513)...(889)
        <223> similar to gil003016 in the genepept database release 114,
              Run with FASTXY 3.3t00, default parameters
```

```
        <400> 8812
cgtccgatat cttaaacttt ttgagtgcca acctgtctac acaagtggaa aattccacac     60
ctgacctcat gtgacagggc atagtcaaag cacaggtgca cgacacagtt gatttagcgt    120
ccccaaggga aaaaaaagac ccacccagcc cccttcaact atagtataac ttttccacgc    180
acacccaaat tcccccacac aagcacgccc acaatgtgta ataaaatggc acgtgtgcag    240
gctggacgca cccaacgcat attccccacg atacctcacg tggggccgag aactccatgc    300
attactcact gtgggttttt gcttattctc tgcagtgtca tgtaaaaata ttactgaaaa    360
tgtcgaaaag gcctgcagat ccccctatgt gtaacagtga tcagaaaaag aggaataatt    420
tatgtttatc aatagcacaa acagtcaact tgttggagga actgaacagc agtataagtg    480
tgaagcgtct tacagaagag tatggtgttg ggatgaccac catacatgac ctgaagaaac    540
agaaggatac gcttttgaag ttctatgctg aatgtgatga gcagaagtta atgaaaaata    600
gaaaaactct acgtaaagct aaaaatgaag atgtgaatag tgtattgaaa aactagatct    660
gaaggcatca cactgaaccc gtgccactca gtggtaggct gatcatgaaa caagcgaaga    720
tctatcctga tgaactgaaa attgaaggga actgtgaata ttcaacaggc tggttgcaga    780
aatttaagaa atgacatgga attcaagttt taaagcatct gcagatcaca aggcagcgtc    840
gaaactcatt gacgagtttg ccaagattat cgctaatgaa aatctga               887
```

```
        <210> 8813
        <211> 603
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (204)...(2)
        <223> similar to gi2104911 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

```
        <400> 8813
agctggggag aggtagaggg tggcataaga acaggaatga gaataagagt aaatataaaa     60
gtaaagaata ggacttcatc agggtgaaag tattggagga taccttgtca ctgaagatct    120
tctgtccact tcaagagaga cttaaggggtg gcaatttgag gtaaaaccag gagccactaa    180
ataccaagag cctgagaaac tgcttgggta atatgactag taaaggcccg tccgttaatg    240
ggactgtata gaggtgggaa ggctaaactg aagaattatg tctgacagaa gggaagaaat    300
gactgtggtg gccttctcag accctgtggg aaaggtctct acccatctag tgaaagtgtc    360
taccctgacc aagtggtatt ttggtttcct gactccgggc atgtgggtaa agtcaatttg    420
ccagtcctgg gcgggggaaa atccctgagc ttgatgtgta gggaagggtg gggtggggggg    480
ggttgtcctt aacaatccct gtggggtagt ggaatagctc ttggaacaca tagaagtgat    540
tttacttgag gataaatttc tctattgaat ggtaatgaga gggtctaata gactggtcta    600
tgg                                                                   603
```

```
        <210> 8814
```

<211> 1798
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (299)...(1798)
<223> similar to gi5726236 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8814
ttagcagcaa gtgctgtttc ctggggcagg ggcaagtacc cctcaacccc ttctccttca   60
cccttagcgg caagtcccgc tttcctaggg ggcaagaacc ccccaatcgc ttatttccgc   120
cgcacccccaa cctcttatct ctgtgcccca atcacttatt tctgcaccct gacctcttat   180
ctctgtgccc caatccctta tttccctgcc ccaacccctt ctctgctttc ctggagggca   240
agaaccctcc gcccttctc cctgtctcta ctcttttctc tgggcttgct ccttcactat   300
gggtaagctt ccaccctcca ttcctccttc ttctcccctta gcctgtgttc tcaaaaactt   360
aaaacctctt caactcacac ctgacctaaa acctaagtgt cttattttct tctgcaacac   420
cgcttggccc caatacaaac tcgacaatga ttccaaatag ccagaaaacg gcactttcga   480
gttctccatc ctacaagttc tagataattc ttgtcataaa atgggcaaat ggtctgaggt   540
gcctgacgtc caggcattct tttacacatt ggtccctccc tagtctctgc tcccaatgtg   600
actcatccca aatctttctt ctttctctcc tttctgttcc ttcggtctcc accccaagtt   660
ccgagtcctc tgaatccttc ttttctatgg actcatctga cctcccccct tctccccagg   720
ctgctcctcg ccaggctgag ccaggtccca attctcactt agcctctgct cccccaccct   780
ataatccttt tatcacctcc cctcctcaca cctggtccag cttacagttt cgttcctcga   840
ctagctctcc ccgatctgcc caacaatttc ctgttaaaga gatggctgac tatcctgact   900
tcatcagagc aggctggtgc ctggccttcc tggaatgagt gggtgttctg acaggcccc   960
agtttgtccc atctgcaccg ccaagaggtc tccgggtggc cagaggagca aagttgcctt   1020
ccaagtgcct gttggtgcct gggagaacac agcaggagtg tcgtgcggcc cacagcgcag   1080
tgcatggtga ttccaggcgc tgaacaactc cccttgaccc ttgggcctgc atctgactcc   1140
cggctgcaga atcagaagct gagtccaggc aaccgctcgg ccactcccgg tcactcctct   1200
ctggacaccc agttactaaa gtcagcaaag aagatgcggt aatcaccgcc tgatctccac   1260
atggtgaaca caacactctc actaacacct ccttgaccag tcagtcttca gcactggggg   1320
tggacaggca ggttttctgt gtttaccaga atcgcacagg ctaagcacaa acatggaacc   1380
agagttccca ggtgaggaaa cctcactcgc agaagcccag gctgcacccc accaggtgat   1440
gcagtgcgcc taggctgtgg gtgctaggag ccaagtgcta gggactcgtc atgagtggga   1500
atccccacgt tcctgtcact gctgtcaaac agaaggtaaa cagtcttacg aatgtaattc   1560
cttaggaaga cttgtacaaa cttttattag gatatctatt tatttaatac tgaactttgg   1620
cctactttgt gataagacta taaacaaatt gaggaaatca ctatttctca cttctgtatt   1680
tctcaaaaaa taattttgat acagagttca atatactgtg tactactgat cttctattat   1740
gaaagcaaag catttcatca aaacaaagta ttttaaatta tgagtgaaaa aaaaaaaa   1798

<210> 8815
<211> 767
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (338)...(769)

<223> similar to gi2707217 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters

        <400> 8815
gctggccaag taagccacta acctaggtca taaagagtta gctttgggac catttatttc   60
catgatcaaa ataaatacat ctgggtttaa cctgaatcac catttagtaa catagtcatc   120
agtttcagta cctttgtctt tttccaggta aaactcttta gcctcttatc aaacatgtta   180
tgccacatct aaattccata ttttatgtaa tataaggaaa aatagtttta tttgtatgat   240
ttatacttca tgtgttagga acctgtgact acatgttctg aactgttagt aagaaaaatg   300
gtattggata ccttactctt taagattttt aattatttt ggtaaaactg ggaaatagcc   360
gtctgatttg cattttattt tcttttgtat tttaaggata tggaatatta tcttgtaaaa   420
tggaaaggat ggccagattc tacaaatact tgggaacctt tgcaaaatct gaagtgcccg   480
ttactgcttc agcaattctc taatgacaag cataattatt tatctcaggt aaagaaaggc   540
aaagcaataa ctccaaaaga caataacaaa actttgaaac ctgccattgc tgagtacatt   600
gtgaagaagg ctaaacaaag gatagctctg cagagatggc aagatgaact caacagaaga   660
aagaatcata aaggaatgat atttgttgaa aatactgttg atttagaagg gcccaccttc   720
agacttctat tacattaacg aatacaaacc agctcctgga atcagct   767

        <210> 8816
        <211> 448
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (41)...(428)
        <223> similar to gi687815 in the genepept database release 114,
               Run with FASTXY 3.3t00, default parameters

        <400> 8816
tttcgtgctg aattctgcgt cttcctttag gctgcggcga gacaatcccc agagccccgc   60
ggcccggcct cggggcagcc atggactcgc aggaattgaa gactttgatt aattactatt   120
gtcaagagag atatttccat catgtattac tggttgccag tgaaggaatt aagaggtatg   180
gaagtgatcc agtcttcagg ttttatcatg cctatggcac attaatggaa ggtaaaactc   240
aagaagctct tcgagaattt gaggctatta aaaataaaca agatgtatca ctttgttctc   300
tacttgcact gatatatgcc cataaaatga gtcctaatcc agatagagaa gctattctgg   360
aatcagatgc cagagtgaag gaacaacgta aaggagctgg agagaaagcc ttataccatg   420
caggcttatt tttatggcac attggtcg   448

        <210> 8817
        <211> 499
        <212> DNA
        <213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(500)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (301)...(500)
<223> similar to gi457199 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8817
aaacacacgt aaagaggttc aataggtnta atgtggtaaa aggagatgta tttaaacatg   60
gcaggcattt gcccgaagct gcttgtaaat aagctgtggg acagccgctg cggaagatgc   120
agagacccca gagatgcaga gaccccagag atgcagagac cctagagatg cagagactcc   180
agagacgcag agaccccaga aatgcagaga ctccagagac gcagagactc cagagaggca   240
gagaccccag agatgcagag accccagaga cgcagagact ccagagacgc agagacccca   300
gagatgcaga gaccccagag atgcagagac cccagagatg cagagactcc agagacgcag   360
agactccaga gatgcagaga ccccagagat gcagagaccc tagagacgca gagaccccag   420
agatgcagag accttagaga cgcagagact aaagagatgc agagtcccca gagatgcaga   480
gatcctagag atgacgaaa   499

<210> 8818
<211> 560
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (56)...(399)
<223> similar to gi4160198 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8818
tttcgtctgc ttttctgctc ctggaagcgg ccaagggggg aagcggcgag tcaacatgga   60
gctttcagcg gtgggggagc gggtgttcgc ggccgaagcc ctcctgaagc ggcgcatacg   120
gaaaggacgc atggaatacc tcgtgaaatg gaagggatgg tcgcagaagt acagcacatg   180
ggaaccggag gaaaacatcc tggatgctcg cttgctcgca gcctttgagg aaagggaaag   240
agagatggag ctctatggcc ccaaaaagcg tggacccaag cccaaaacct tcctcctcaa   300
agcgcaggcc aaggcaaagg ccaaaactta cgagtttcga agtgactcag ccaggggcat   360
ccggatcccc taccctggcc gctcgcccca ggacctggcc tccacttccc gggcccggga   420
gggccttcga aacatgggtt tgtccccgcc agcgagcagc accagcacca gcagcacctg   480
ccgcgcagag gcccctcggg accgggaccg agaccgggat agggaccggg agcgggatcg   540
agaaagggag agggagcgag   560

7354

<210> 8819
<211> 2545
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (458)...(2547)
<223> similar to gi537432 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8819

```
tttttttttt ttcccattaa aaaaataggt ttaatgcagg tgggtcatgg catgacgaat    60
ttcacaggca ccggggacag caggcggcca ggtgctcaga gggcaccaag gtgccacaac   120
tccctgcagc gttgacaccg cacgagcggc accaccagcc ccctcccgcc tcccgtccca   180
ccttcaccct cagccaagag gcttgggtga ctctgagtaa tacgttaaca aaaaacaaag   240
cttctttgag gaaacagcat gacttagtgc aaaagattct ctgcagcaag aaatgaggcc   300
cacgcaggga agctcccgcc tacctgccca gggcgtggac gcagcccggg ctcatcagag   360
gtcatccaca gaagctgccg ataaattaga gagcacggtt tacggccaga gattttttgc   420
tttctctacc tgatttaggg tttttcaaaa agtttctctt ccagtggcac acaactgtcc   480
tcatggctcc tgggccactg gtccgcctga cagggtaggg tcacaagtcc cacccatgcc   540
cagagtgtgg ggaccatgga tttgaggtga cactagggtt gtcagtacca caccctgtgt   600
cctgctctag ggtagcctct gcctgttgtc cttgcaatca ttattcaggg cgccctccca   660
cttgccccca aagtcacacg gccatgggca gtccaccata gtgctgccgt gactgcaagg   720
ctgaggagca gagcaagggg tcctgggtga gacctcggcc catggtggcc accctccctg   780
aacacaggca tctgcgcccc tccagcccac ctgcccctgt gccatcattt gggcccccca   840
gacactggag gacagcgtga gataagatct cagcatatac ctggggctct aagatgctgc   900
tggtgccaca caggctctgg ggctgtgttt gccgcactga ggcctctgcc gcctgctccg   960
gacacttggg acacgcgttt ccatcctggc tcactgaagc ctcgatctcc caggctttct  1020
ttgacggtgt tccctcaaag aaagaggccc aaagccctcc cccgcaaaaa aagccagaaa  1080
ggaatggagg tgcctccgca gaaatccaga gcatctgcaa gacatcctca cagccctccc  1140
agaacaggca gacaggccag tgttgctgga gtcagcccct ggctcccagg gttcccccca  1200
ggccagcccc tgagctggga gcctgctgag gcccctccca cctgagccct tctccggccc  1260
cccgctagac tgcatctaca caatccaagg ggaccctgaa ggctggctgg ggactcagga  1320
cccacacagc ccctcaggat gacacacaca gggtggtccg cgggcagtgc caggcctcag  1380
gcggcccagg gcagagtaag cagctttgtg gcagtgtggt gtgtcagcga ggggagcctt  1440
ccgtgtcccg ttggctgggg ctggggccag ggcacgcaga aggggctgtg cagccaggag  1500
ggcccccctc cggaattgct cctgggcaca cagccctctg tgtccagggg cctcccaggg  1560
tgatgtctaa agtccctggc agctgtggtc ctggagagag gcccacagag aggcggaacg  1620
gagggcccac cccgcagtac gacccgaaga catgtgagca ggagccaccg gcaggtgggc  1680
gctgcccctg agagtgcata cggggagggt gggtccagga agccagccta ggggtggtgt  1740
ccgcgccccc atcacagaag tctcagccct ttctttctc tccgtgggcg ccgggcagca  1800
gcgactgcct gggggatggg cgaagggaag gcgctggccg accccaccca tggagagaac  1860
acagccacag gccgggacga tacatcaagc tcgcacccac ggccctcaca tgtccacgaa  1920
gaccatgaag caccagccca ggcccccgac cagcagcatg gtgacgtgga tgccatagac  1980
gagcagctcg ttcaccaggc ggaagtccac gcgccggcgg cccagcagca gcagcagcac  2040
cgacagcttg cgctggaagc gcagcaggac gcgaacgccc aggtactgta ggcagaagag  2100
ggcggccagc gcaccccaga gcgccgcagt gaacaggctg cagctaaagt agagtaggaa  2160
gcggatgaag ccgtacagcc agcgcgtctt gatgtacacg tcgaagttgt tgtacttggt  2220
gcgggccagg tggaggcgc gcacgggccc gcaggccgca tgcaggcagg tggtgtgcgg  2280
gccgtggaag gagcgcaccc gccgcggaat gggcatgacc ggcattgggc cccggcggcg  2340
```

```
gcggcgctag gtcgcagtgg cggcggcggt gtccaggcgg cggttggcgt aggggtcatg    2400
ggcgcctagg cctgggagcc cgcagctgac cctggggggga ggcgtcggcc cggtgccctc    2460
tccgcggcgg cgccggcgtc ccggacctcg gggccggccg gcggtgctag gggccgggca    2520
agagggtgcc cctgtccctc ggggc                                         2545
```

```
            <210> 8820
            <211> 553
            <212> DNA
            <213> Homo sapiens

            <220>
            <221> misc_feature
            <222> (78)...(553)
            <223> similar to gi705389 in the genepept database release 114,
                  Run with FASTXY 3.3t00, default parameters
```

```
            <400> 8820
caactggcat gagtcatttt gaccagcaga ttaatcaact gtaaaaccga tcctcacaca     60
aagaggctac tgaaaggatg aaatcactga cttggatctt gggcctttgg gctcttgcag    120
cgtgattcac acctggtgag agtcaaagag gccccagggg accatatcca cctggaccgc    180
tggctcctcc tcaacctttt ggcccaagat ttgttccacc acctccattt ttccctgtaa    240
attctccaac tgatcctacc ctccctactc ctgcacccca aatatgaaca actgcagcag    300
gtgccaccac caccacaaaa gacaccacta cccttgtaac tactgcttct gctacccaaa    360
atatgaattc caacactgct tccaagagac atttacataa aattgcttcc atttttggat    420
gagaatgaaa aattccaaaa gtgctgagct ttggggagaa ataatcttag aaagaaattg    480
tagaaaaaac ccatgcagac ataacattta taccaatgag gcaaaaataa agaattgagc    540
accaaaaaaa aaa                                                      553
```

```
            <210> 8821
            <211> 824
            <212> DNA
            <213> Homo sapiens

            <220>
            <221> misc_feature
            <222> (1)...(825)
            <223> n = a,t,c or g

            <220>
            <221> misc_feature
            <222> (382)...(803)
            <223> similar to gi4938277 in the genepept database release 114,
                  Run with FASTXY 3.3t00, default parameters
```

```
        <400> 8821
ggccgtcctt cgcccgcatg ctgcggagtc tttacccgca cacgtgggtc ttgaggccgt      60
cctcannnnn nnnnnnnnnn nnnnnnnnna gccacagaac gtgggtgtcc acgtcctagg     120
tccacgctcc atcaaggcca aggctggaaa ccagcgggaa gggaagggga agctgaacct     180
cagggcttcc catcagggct ggagcagaca cactgcaggc aatcccagct gggtttcact     240
cccagctccc tcgtgtgagc cgcctgtagg cccagggctg cctccccctc tctgagcctg     300
catttcccca gctgtgttgg gtcatgtggt gcctgctggg cagggcgggt gcaggcggga     360
agaccaacca tgatctgctg ccccttcgtc ctctcgcctt ctccagacca cgccatggga     420
gggagctggg tgcggtggga aagccccacc ctgggagtcc aggatctggg ctcaagtccc     480
acatgcccca catcgccgtg tggcccaggt gaggcactcc tgcgaagctc tgtgcccacc     540
ctcccacgcc accctcccat ggcactgcta ggaaggaact tgaggcccag agaggtcgag     600
caccttgacc tttgaggccc gaggtcaagt tgagctttcg gccacccagc ccaggccccc     660
tctgctcgga cctgagcagg gctgtgcacc cctgcatgct acccaggccc tccttcccca     720
ccccacaggc aaacctgccc ttgctgcagc gggagctcct gcactgtgca cgcctggcca     780
agcagacgcc cgccgaattc caccacacgg actacgatct cgaa                     824
```

```
        <210> 8822
        <211> 1228
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (786)...(33)
        <223> similar to gi2792016 in the genepept database release 114,
              Run with FASTXY 3.3t00, default parameters
```

```
        <400> 8822
tttttttttg agattagaca gtgctccgtc ggccgccgca agacactttt aatatccctg      60
tttcccaggc tgtagataaa ggggttgagc atggaggtga ccaccgtgta catcactgca     120
gccactgcac cctttctggg ggaagatgac acatcatctg aactgaggta acctccaacg     180
cctgttccat aaactcagca aacaactgac aggtgagacc cacaggtgga gaaggcttta     240
tacttcccac ctgatgatga aaccctcaga atggaggaaa caattttaga gtaagagaaa     300
agggtccctg agatgggaag aaaaccaaat atggcagcag ggaaatacat gattatctta     360
ttggtgaagg tgtcacaaca tgcaagatgg gggagttgag aagggtcaca gaagaaatta     420
ggaatttcca catccttgaa gcaggtcact tgtaaggcaa tcaagttgtg cagctgggag     480
tctaaaagac tgagaaaaaa aaaaaaaaga caacaaaact agaaaggcac agaaacacgg     540
gttcatgatg gtgaatgata tagcgggtga cagatggcta caaaccagtc ataggccatc     600
acactcagga gcatgtctct cttccatgcc tccaaaaatg gcaaagagag acatctgagt     660
caggcagcct gcataggaga tgactctgct gtgagactgg atgtccacaa tcatcttggg     720
gaccgtggtg gaggtgaaac cgatgtcagg caaggacagg ttggagagga agaagtacat     780
gggggtgtgg aggtgggagt cagggctgat ggccaggatg atgagcaggt tccccagcac     840
cgtgaccagg cacatggaca ggaacagccc agcaaggact ggctgcagtt ctggatcccc     900
tgagacttct tgtacatgct gtagcactgc tgcagcaccg agctataaac cttgtccaac     960
aactcctcct cttgatattc aataactggt tttccatctt tactgttttt caattatagg    1020
attccgaaca acctacaaag tttgataaac tgaaattata caatgaattc attagaccat    1080
gtttattttg ccttagttta aaaactttgc acatgctaca gcaccagaaa cacagcttct    1140
taaagcagcc ccaagaacga ataaagcaaa taggaagaac ttgattttaa aactgcaacg    1200
aattttattt taattttact tggatgca                                      1228
```

```
<210> 8823
<211> 938
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (143)...(910)
<223> similar to gi3044086 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




    <400> 8823
    tttttttttt ttgatttcag ggcagcctct tcctagtgtc agactgaggg agaatcaatt      60
    ttggggggaga ccacatctaa tggataaaag agccacagga ttacaaaagg gtggaatagt     120
    tgttacaaga aggtcacatc atcctggcac tgctcccaga accagtgggc ctcgaagccc     180
    agcttggcac tctcatcctc tggtgactca ggtggtccac cttgaagcct ctcccctggg     240
    ggcttccaca cagctctcaa gctccctagc ctggtggctg ccacatccac ctcagtcctg     300
    gccctctctc caccagctat aacttttgcc cagtccatct cggaacgtgg agccccaggt     360
    gggccctgtt catccagctc gctgggggcc actgtgtcca ggaagctgcc aatagagaca     420
    ctgtccagcc ggtcggtggt gctggtgtct ggcaggctgt cccagctgcc tcgccttgag     480
    cggcctgggc tcccgcctgt caggctatat tgactgctgg tgaggctgct gcaatgactg     540
    gtcaacgtcc cccgctcctc caacagccag cgcactgcct cgatgccctc attcaaggtc     600
    accagctgct gcaggatctt cacatcgatg gctcgcaggt aagccagctc catcttcagc     660
    gccatgatct tgtcccccaa gtcgtggccg gtgctagacg cccctgggag cagcagggcg     720
    ccagaggttc ccagctcaca ctcgcctcgc agcccgcgga gcagcccttc aggggtcttc     780
    ctgcccacct taccctccac atcccgcagg tcaggcgtct gggactccac ggtcccctcc     840
    atgcgggccc aagcctgaaa agggctgggc gaccggacgc cggggaccgg ctcccggggg     900
    aattccacca ctctggaata gtgaatcgaa attcaaaa                              938




<210> 8824
<211> 804
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (742)...(306)
<223> similar to gi487734 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




    <400> 8824
    ggaggcagga ggatgaagag gggggaggtg actccctgga agttgatggg gtggctgcaa      60
```

```
ctccagggaa agcagaggcc accagggtcc tcccaaggca gtgcccggtg caggctgaga      120
aaagtcatgg ggctcccctg gaggaggcca cggagaagat ggtatctatg aagccaccag      180
gtttccaggc atccctggct agagacgggc acatgtcagg cctgggcaag gctgaggcag      240
cccctccagg ccctggcgtg ccaccccacc ctccaggcac caagtccgca gcatcccacc      300
aaagtagtat gaccagcctg gagggaagcg gcatctctga gcgccttcca cagaagcctt      360
tgcaccgagg cggtgggccc cacctggagg agacctggat ggcgtcccca gagacagaca      420
gtggctttgt gggctcagaa acaagcagag tttcacccct cacccagact ccagagcacc      480
ggctctccca catcagcaca gcaggaacat tagcccagcc ctttgctgca tctgtgccca      540
gggatggagc ttcctacccc aaggccaggg gttctctgat tcccagaaga gccacagagc      600
ccagcacacc ccggagccaa gcacagaggt acctctccag cccaagtggg cctctccggc      660
agagggcacc caacttcagc ctggagcgga cactggcagc cgagatggcg gttcctggct      720
cagagtttga ggggcacaaa cggatttctg aacagcccct tcccaacaag acaataagcc      780
caccccagc ccccgccccg gcgc                                             804
```



```
<210> 8825
<211> 1440
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (355)...(1433)
<223> similar to gi3004655 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```


```
<400> 8825
agttcttcta gcaaaggagg ctcttcatca aaactgtcaa tgtaaggaga ttgtgaataa      60
taatctgagt tggatgctgg ctgaaaaaat tgtcctgcgt aacccgatga catgagcatc      120
tctgatggaa caaaggaggc aggctgaggc tgctcaccag cttgttgtgt gaccactcca      180
ctacccggcg ccaagacgcg ctgatgtcac gacagcgtgc ggcgtgcaga cgtcggcaag      240
ctgcgccgcc gcttcgggtt gcttccggat ctggtacttg ggcagagctc cccgggggttc     300
attgtcttcg cttcacagga tctgtttgag tcctgtccac cggatcctac ggggggtacc      360
ttcgaaaaaa aacgggctat gctgctgttg cgtgaaaaac ttgacatgtc taggtttcct      420
gttgaaaata ttagaaattt cagtattgtt gcacacgtgg atcatggcaa aagtacttta      480
gctgacaggc tcctagaact tacagggaca attgataaaa caaagaataa taagcaggtt      540
cttgataaat tgcaagtgga acgagaaaga ggaatcactg ttaaagcaca gacagcatct      600
ctcttttaca attgtgaagg aaagcagtac cttttaaatc tcattgatac accgggccat      660
gttgatttta gttatgaagt atccaggtca ctttctgctt gccagggtgt tttacttgtg      720
gttgatgcaa atgagggaat tcaagcccaa actgtagcaa acttgtttct tgccttcgaa      780
gcacagctat cggtaattcc agctataaat aagatagatc tgaagaatgc tgatcctgaa      840
agggttgaaa accaaattga gaaagtgttt gatattccaa gtgatgaatg tattaagatt      900
tctgctaaac ttggaacaaa tgttgagagt gttcttcagg caattattga aagaatcccc      960
cctcctaaag tgcatcgcaa aaatcctctg agagctttgg tatttgactc cacctttgac     1020
cagtatagag gtgtgatagc caatgtagca ttatttgacg gagtggtttc caaaggagat     1080
aaaattgtat ctgcacatac tcaaaagaca tacgaagtta atgaagtagg agtcttgaat     1140
cctaatgagc agccaactca taaattgaat gtatcctcta gaccaatctg aatataacaa     1200
tctgaagagt gctatagaaa aactgacttt aaatgattcc agtgtgaccg ttcattggga     1260
tagtagcctt gctctgggtg ctggctggag gctaggattt cttggacttt tgcacatgga     1320
agttttcaac cagcgactgg agcaagaata taatgcttct gttattttaa caacccctac     1380
tgttccatat aaagctgtac tgtcatcatc aaaattgata aaggaacata gaaaaaaaaa     1440
```

<210> 8826
<211> 1165
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1166)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (789)...(1146)
<223> similar to gi296670 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8826
aattcgctgg caatctccca naaagtccag caatttgaaa gtcaaatcca cagaaagacc   60
atcttccata acaaaaggaa gcactttttt taggttgaca cttgcaagca ggagttccaa   120
ttattttcgc ggttatcaat ttcatgtaat tgcaatgtta cccaaaagtt tcttgatttg   180
ttttaaacgg gctgaataac aatttctttt caagaagaaa aacctaaaca gaaatattca   240
caggggatgc tgaaaagggt caataatgct agtcatttca attctcacac ataaaggaaa   300
cgctgatggt ctttggctac tcctccagaa cttttcctgt ggaagtcacc aaccccctat   360
cttagcttct tcatcttcca acaaatttcc tgccgaacta gtggccgctc tcgcttctct   420
gctttgctct ccggaaaagg acacgggtca cccagatttc agcgagtttg ccctcgactc   480
tgacgaaaag gaatgcattg ccagcaactt ttaagtccgc ttttaaaag gcctgtggaa   540
ccaatccaga cttttccttt gcattaaagt ttttggctga gctgagacta aggggggccgt   600
aggtgacatt ggaagaagtc agggcattag aggctcgcgg gagccacctt gggggaaggg   660
gagacccctt gacagcaagg gagggatttg aatgggaggc tccgtggcca aagttggggc   720
cgggatccgg aataaggggc ggcttggggc tgagggaagc tgtcggggcg cggcacgggc   780
agcttactcc ggggcgacgc tcttccacgc ctcagaaaac ggggtgtccc aagctggggg   840
aaacagacca cccgcagtgt cccaaagccg gggcggggct gtaagggacg aaggactctc   900
gcggcccaga cagcggaagg cgggccccgt gtagaggagg cccggccgcc tcagctgccc   960
caagcccggg ggtctctgcc cgagacaccc cctcccccgg ccccggacgc tgacaccacc   1020
accgccctca ggcagtcaca tctcccgagc tccgccgagg gacccagccg cccccccgccg   1080
gtaggggccg tggacagcgg aggggctcct cagccgcagg acccgggaac cggctccggc   1140
tccagcgctg ctcaggcaca gacac   1165

<210> 8827
<211> 2112
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1170)...(574)
<223> similar to gi930259 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8827
gatatactta tttttttta ctgtgtaact ttttttttcca atttagagaa ccacatcctc   60
atccatgctg cttactatca atagtggcac aagtgtcaaa ttttaaggtt acatttttgg   120
ggacccctct ttcttctgtt ctagctatta cctttcttgt gtcacctaga aaaggaccag   180
tccttaattg tattttaaaa actgtgatca tgggaggctt aaaatgggtc ataacacgca   240
tcaagttggt tatttcctgg gctacatacc ttggatagaa tagcattata caaacaagtt   300
tcttttagag tcctggtaca cttataataa ccataaaata ataggactgt agcaatcttt   360
tgtcctacct cagtgacttg atgtatatac tggaaacagt tctcaatctg aggaaggtca   420
gttgaagtcc ttactgtaca agtccaaatt ttaaggaaaa tgagtcccgc aatgagtttc   480
ctcatgcttc gcctgtgcgt ggaccagtca gcttctgggt gtgactggag cagggcttgt   540
ctccttcttc agagtcactt tgcaggggtt ggcaaagccg ctcccatcca cgtacagctc   600
ccagtctact gatgtttaag ggtggtctcg gaggttaggc ctactagaat aaactgagtc   660
cagcacctct aaacagttat gtttaactgg gctctctgtt accaggagta aggtggctgg   720
gttagggtgt tggaaacttc aatggttttg tggggatttt cacagagcaa ggtttggtat   780
ctagttagtc tagcatttat tagctaatga tgtcctttgg tatttattaa agtcaccacc   840
agcatgggga gactttctgt ttaggttttg cctaagagtt agctcatctg cttcttgtgc   900
taacagggca gttgctgcca gggcccttgg acatgggggc cagcctttgg aaaccccgtc   960
tagttgtttt gagagatagg cccctggcct tgaccagggc cctacagtct gggttaaaac   1020
tccaactgtc attttttctc tttctgacac atggagtgta aagagttttg tcaggtcagg   1080
tagccccagg gctggggccg acatgagttt ttctttttaa ctcatgaaaa gctcgttgct   1140
gttggttgta atagatgtag tttatctaat ttacatttt attgactgtc atctaccaaa   1200
atattgactt cagtcctgta actatttgat ttcaagcttt aaattgatct ggtattcctt   1260
gcggggctcc aattgcattt aaatatatac gagagttgaa agacccataa ggggcttctc   1320
tccctttatg atgtcttatt ttttttttcc tctggttgat gaaatgccag ggtgaaaggg   1380
atagccaaat ggactaaagc acaagtgcca ctctagttat tcagcagagt gcccagtaaa   1440
ggtccaccac aataccacca cgcatccgct cggggatgaa caagggctga ctgattgata   1500
agctcttgaa aattcttaag ctcactgcat cccttcaggt ctccaaggaa tgctaagttt   1560
tctccctgtt gttagagaca tgaagtgaac ttagtgttcg ggagatggaa gctggatggc   1620
cctcgggggc tgactcgcag ggtgccagac ttcaggatat agcaggagag agcttggcat   1680
cgacttatta ctccaggcta tagaatcctg gaaaagagct accatgcagc ccacacctgg   1740
tcgactggag gacccacctt agtggaaagg ggacattctg agcctctgcc ctgccatgtg   1800
cacaagcata acaattgctt ttgtttaacg tgcagatgga atatttgatc catttcatcc   1860
aggcatttgc atcttggtat cctgtcttaa ttgccaaagt ttgtttttaag tctttaactt   1920
ctatgatcct ttagtaaaat gaatgcttcc tttagcacct atttttgtta gttttttagac   1980
caaagaaagc taaacaccat tttatattta ataatgcttc ttgtatgatt tttataccag   2040
agaagctaaa ttttatcttt atattagtgt gttattaatg ttaaacttaa ttttaataaa   2100
accttgtaga ca   2112

<210> 8828
<211> 1073
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (145)...(999)

<223> similar to gi3650328 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8828
gacattcgtg accatcatta cgcctagctt ggcacgaggc cgggactagg ttgcgggaga   60
aagcctgttg cgtggaagat aaggcggcgc gggaagtgga cacagggtgg gctggagatc   120
taactggact ctcgctcctg ctggctggac atggaggatt tggaggaaga tgtaaggttt   180
attgtggatg agaccttgga cttttggggg ctgtcaccat ctgacagccg tgaggaggaa   240
gacataacag tgttggtgac tccagagaaa ccacttcgac ggggcctctc ccaccgaagt   300
gacccaaatg cagtggcacc tgccccccag ggtgtgaggc tcagcctagg ccccctcagt   360
ccagagaagc tggaggagat cctcgatgag gccaaccggc tggccgctca gctggagcag   420
tgtgccctgc aggatcggga gagcgcaggc gagggcctgg ggcctcgccg agtgaagccc   480
agtcctcggc gggagacctt tgtgctgaag gatagtcctg tccgagacct gctgcccact   540
gtgaactctt tgacgcggag caccccctcc ccaagcagcc tgacgcctcg actccggagt   600
aatgatagga aggggtcagt cagggctctc cgggctacat ctggaaagag gccctccaac   660
atgaagaggg agtcacccac ttgcaatctg ttccctgcat ccaaaagccc agcatcttct   720
cctcttaccc gatcgactcc cccagtccgg gggagagccg ggcccagtgg gagagcagca   780
gccagtgagg agaccagagc agccaagttg cggggagcag ctgctaaatc ttcctgtcaa   840
ctgcccattc cctcggccat ccccaggcct gccagccgaa tgccactcac cagccggagt   900
gtgccacctg gcagaggtgc cctacctccg gattctctgt caactcgaaa agggcttcca   960
agaccaagca ctgcaggaca cagagtgcgg gaaagtggac acaaggttcc tgtttcccag   1020
cgactaaatc ttcctgtcat gggtgccact cgcagcaatc tgcagccccc cag   1073

<210> 8829
<211> 816
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(817)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (388)...(816)
<223> similar to gi182220 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8829
cccacgcgtc cgggaaatac aaatgagtaa gagtagccaa aacagtaagt tactcatccc   60
agtattaaga ctgtgcagct acagtgatga gagtgtagtg ctggtaagag gactggcacg   120
caggccagtg gggtggaatg gagcccggaa agtgaaccac aaacttttgg ttcacagagg   180
taccaggata attcaagggg gaggaattgt cttatctaca ggtggttctg gcaacagagt   240
attcacagga aaaatggtga acgttaaccc ttgcatcata tgcaaaaaat tatttgaaac   300
aggtcataag aactaaaacc atcaaacttc taggagaaaa tacagggaaa aatctctgtg   360
gccttgacca tgcaaaaatt tcttgggaca caaaaagcat gagccacaaa agaaaacgtt   420

```
gataggtggg atctcatcaa aatttcaaac tctctttctt tgaaagacag ttaagaaaat    480
aaaaaggcaa gccacgccct ccaaaaatac atgcagtaca tatacaggac aaaggactta    540
tttctagaac ctgnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    600
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnc    660
acagggtatc attatttatc agggacatgc aaattcaccc atgagctacc tgaacatact    720
tgctagaatg gttaaaatga agaagagaca gtcttcattg ttgataagga tatggagcag    780
ttgaaacgct cacacgttat tgataggaat gtaaaa                             816
```

        <210> 8830
        <211> 837
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (790)...(834)
        <223> similar to gi4150963 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters

        <400> 8830
```
ttttttctcc aacgaagtct tatattttac cattctgcgt gtattagaaa gctaaattta     60
aacagcaaca ataagaaatc ttccccagtg gatccctcga gcctttcggg aaaatgcagg    120
tttctggctg acaggaagaa gaaacagcat ccaatcggca cttgtgtctc aatgaccaat    180
caaatttcgc cttacattgc atcgctggga taaacggagc tggacgactc agtctcttgg    240
tctgtggctg ctgcggttac ctggatgggc gagcacctct gaggctggct ttgttacctg    300
ggcaataagg gactagcagt tcagccgttt tctatgcctg ctggatttgt ttgtatttgt    360
tcccagccac tgctcatgta atgtactccc ttaaccagga aattaaagca ttctcccgga    420
ataatctcag gaagcaatgc accagggtga caacgctaac tggaaagaaa attatagaaa    480
catggaaaga tgccagaatt catgttgtgg aagaagtaga gccgagcagt gggggtggtt    540
gtggttatgt gcaggacctt agctcggacc tgcaagttgg cgttattaag ccatggttgc    600
tcctagggtc acaagatgct gctcatgatt tggatacact gaaaaagaat aaggtgactc    660
atattcttaa tgttgcatat ggagttgaaa atgctttcct cagtgacttt acatataaga    720
gcatttctat attggatctg cctgaaacca acatcctgtc ttattttcca gaatgttttg    780
aatttattga agaagcaaaa agaaaagatg gagtggttct tgttcattgt aatgcag      837
```

        <210> 8831
        <211> 3062
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (593)...(2797)
        <223> similar to gi2281588 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters

<400> 8831

```
aaccctgaga cactttacag ccctagaccc taaaaggtca aaaggccatc ttattctcaa     60
aatacatttt attagccaat ctgctcccga cattaaataa aactccaaaa attagattcc    120
ggccctcaaa ccccacaaca ggatttaatt aacctcgcct tcaaggtgta caataataga    180
gtagaggcag ccaagtagca acatatttct gagttgcaat tcctccttgc ctccactgtg    240
agacaaaccc cagccacatc tccagcacac aagaacttcc aaacgcctga actgcagcgg    300
ccaggcgttt cctccagaac ctcctccccc aggagcttgc tacatgtgcc agaaatctgg    360
ccactgggcc aaggaatgcc cgcagcccag gattcctcct aagccgtgtc ccatctgtgt    420
gggaccccac tgaaaatcgg actgttcaac tcacctggca gccattccca gagcccctgg    480
aactctggcc caaggctctc tgactgactc cttcccagat cttctcggct tagcggctga    540
agactgacac tgcccgatcg cctcggaagc cccctagacc atcacggacg ccgagcttcg    600
ggtaactctc acagtggaag gtaagcccgt ccccttctta atcaatacag aggctactca    660
ctccacatta ccctcttttc aagggcctct ttcccttgcc tccataactg ttgtgggtat    720
tgatggccag gcttctaaac ctcttaaaac tccccaactc tggtgccaac ttagacaata    780
ctcttttaag cactcctttt tagttatccc cacctgccca gttcccttat taggctgaga    840
cactttaact aaattatctg cttccctgac tattcctgga ttacagctac atctcattgc    900
tgcccttctt cccagtccaa agcctccttt gcgtcctcct cttatattcc cccaccttaa    960
cccacaaata taagatacct ctactccctc cttggtgacc gatcatgcat cccttaccat   1020
ctcattaaaa cctaaccact tttaccccga ttaatgccaa tatcccatcc cacagcatgc   1080
tttgaaaggg ttaaagcctg ttatcacttg cctgctacag catggccttt taaagcctat   1140
aaactctcct taaaattccc ccattttacc tgtcctgaaa ccagacaagc cttacaagtt   1200
agttcaggat ctgcatctta tcaaccaaat tgttttgcct ttccacccca tggtgccaaa   1260
cccatatact ctcatatcct cagtacctgc ctctacaacc cattattctg ttctagatct   1320
caaacttgct ttctttacta tccctttgca cccttcatcc cagcctttct tcgctttcac   1380
ttggactgac cctgacaccc atcaagctca gcaaattacc taggctgtac tgctgcaaag   1440
cttcacagac agcccccatt acttcaatca agcccaaatt tcatcctcat ctgttaccta   1500
tctcggcata attctcataa aaacacacgt gctctccctg ccaatcgtgt ctgactgatc   1560
tctcaaaccc cagcaccttc tacaaaacaa caactccttt ccttcctagg catggttagc   1620
gtggtcagaa ttcttacaca agagccagga ccacaccctg tagcctttct gtgcaaacaa   1680
tttgacctta ctgttttagc ctagccctca tgtctgcatg cagcggctgc cactgcttta   1740
atacttttag aggccctcaa aatcacaaac tatgctcaac tcactctcta cagttctcat   1800
aacttccaaa atctattttc ttcctcatac ctgacgcata tactttctgc tcccccgctc   1860
cttcagctat actcactctt tgttgagtct cccacaatta ccattgttcc tggcccagac   1920
ttcaatccgg cctcccacat tatacctgat accacacctg accccatga ctgtatctct    1980
cggatccacc tgacattcac cccatttccc catatttcct tctttcctgt tcctcaccct   2040
gatcacgctt gatttattga tggcggttcc accaggccta atcgccacac accagcaaag   2100
gcaggctatg ctatagtaca agccactagc ccgcctctta gaacctctca tttcctttcc   2160
atcgtggaaa tctatcctca aggaaataac ttctcagtgt tccatctgct attctactac   2220
tcctcaagga ttattcaggc cccttccctt ccccacacat caagcttgaa gatttgcccc   2280
cacccaggga ctggcaaatt agctttacct caacaatgcc ctgaggtcag gaaactaaaa   2340
tacctcttag tctaaataga cactttcact ggataggtag aggcctttcc tgcagggtct   2400
gagaaggcca ccgcagtcat ttcttccatt ctgtcagaca taattcctca gtttagcctt   2460
cccacctcaa tacagtctga taacagacga gcctttatta gtcaaatcag ccaagcagtt   2520
tttcaggctc ttagtattct gtgaaacctt tatatccctt acggtcctcc atcttcaaga   2580
aaagtagaat ggactaaagg tcttttaaaa acacacctca ccaagctcag ccaccaactt   2640
aaaaaggact ggacaatact tttaccactt tcccttctca gaattcaggc ctgtcctcgg   2700
aatgctacag ggtacagccc atttaagctc ctgtatagat gctcctttt attaggcccc    2760
agtctcattc cagacaccag accaacttag actgtgcccc aaaaaacttg tcatccctac   2820
tatcttctgt ctagtcatac tcctattcac cgttctcaac tactcataca tgccctgctc   2880
ttgtttacac tgccggttta cactgtttct ccaagccatc acagctgata tctcctggtg   2940
ctatccccaa actgccactc ttaactcttg aagtaaataa ataatctttg ttggcaggac   3000
tatgctgaac ctccttaggc actctctaat cagatatcct gagtcgtccc aattcttaga   3060
ca                                                                  3062
```

7364

```
<210> 8832
<211> 1544
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (822)...(1485)
<223> similar to gil1778210 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 8832
tttttttttt gacttctgaa cacatttatt tgatatgtca agtggagaga ggagtgattt      60
agggtttctc cccacttcta cctgtggggg tgttcataag ctcagacaga cagaagagca     120
gcttagagcc catgacccac cccctgggaa aatgagacaa tctgttgtag ttgttggagg     180
aacagggtgg gaataaaaag caggaagttg agaagtgaag ttgagagcag taaagacagc     240
agcagaactg aggctggggg ttgctgcagg aacccccaag aagagtgaaa aagatatcct     300
gaaaagtggt tggggttaga agcagggtgt gaataaggag ccaggcctgg agaaagaagc     360
aagacctgca gaatgggctg ggatgtccac ggagagagtg tgcaaaatca tgataggctg     420
tgtttcaggg catacatgga aagcaaggga ttgcttctgc aggagggcaa agacatcgga     480
gactgcccat aagtaagggt tccctactgc ttctgaacaa atgcaagaga gtttgggacc     540
ctagccctgt gtgtttattg atatgctgtg cctgtaggta cacaagtaat cccatatgca     600
tgtgaaatga ccagggcatg aatacatgtg tgtatatacc cagtaaatag agtacttatt     660
ctttcttgct aataagagta ctgtgcttat ggacacatgt ttaaccatgt gtgggtgcac     720
tgtgcaccca tgagcacatg caagagatcc ctttgttcgt ggtgtgtgtg taagctggtt     780
ctcccaccta tcccattaag gtcctaatcc ccaccctcct tggctcctct cactcctctc     840
agcgccctgg ctccccaggc ccacctagac tctggaagcc ccccagcagg cggatctgct     900
cagtctgcat ggagtggcgt ctcaccaatt tgcgcttggt cctgggagag cctggcgccc     960
cggcataagg aggggcaggc aacgaaggcg cccgacctcc gggttgtggg cgaatgtcag    1020
ggatgggagg gtggggactg acgttgagag ggggtaggaa acccggccgc gtttgcgaga    1080
tgtggtccag gagcaacgtc cccgagcccc tccgctccag cagccccgga ctccgcctcc    1140
ttccgcttag cggagatact gcccctggca gactctcctg ggactggcgc ggagagggag    1200
ccgagccggc tggagggagg gtcaacgggg aggcgctgta tcggcggcgc tccagggaca    1260
ggcggctgga ctcaggcgag tcagggcaaa ggtgtccagg ggtgtccagc tccactggct    1320
ccatgcggct cagtttctgc ctcagccctg aaggggggacc agactcctga gcttctggtg    1380
ctgtgtttcg gcgagagaga ggacccccgc tagtcacttt ctccgcccat gggggcgggt    1440
cctcagggcc ttcggtgctg tgacgtcggg aaagacgggg tcgaccggtc agggtcaggc    1500
cattgaattc ggcagtcaag cgcctcgtgc aagctggcgt atct                     1544



<210> 8833
<211> 765
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
```

7365

<222> (1)...(766)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (461)...(765)
<223> similar to gi9451 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8833
tttttttttt ttcacagcgg tttcaggctt tattaacaaa cggtgtaaaa aaccagacgg   60
atctggagga agggacaggg ctgcccgtct cagctctcaa ccttcccaga gaggggccag   120
gcctggcagc cctgtgcgtc gcgcctccta agcagtcaac cttgtcccct ccaaggacag   180
gcatctgacc caatccaggt cccagggagg cggagtcgca aaccctaact ctggggtgta   240
ttctgctcgg cctcctctcc ccctccccag atagctctcc cagcctgggg cacggacagc   300
acagactttg cagacatcac ccggggaggt ttctcagtgc agacaggagc tgaggtaggg   360
gttggagagg ctgacctcga gaggcccccg agggccagga aggaaaagga gtcattccac   420
tctgagaagc tcaaacacaa cagacttcac actgctgacg ggtggacaga ggccaggctc   480
ctcccctcgg caggcctctg tttctgggcc cagggtggtt gaggactcac tgagggagag   540
caggtaaaag aacccgcaga cagtaggcga tcatcaggtg ctggcgcccc tccctcctcc   600
cctgccctgg ctgtcagtct gtagcttcac aggtctttgc tgaattccct caccagcgtg   660
tagcccaggc agccccagcc cccctcggcg tggtagccac agccctccgg acgcgtgggt   720
cgacccgnnn gnccngccga tgcgatgatc caaaannnnt gcccc   765

<210> 8834
<211> 943
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (483)...(46)
<223> similar to gi6015448 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8834
ccgagggatg agccggcagt gggcagggga ccacgcacct ggttgaaggg actgggagcc   60
cgcactgggg aactgccgga cgcaggccct cgggcaggag catctggcag agtggggggc   120
gtggcaggca ccctcctttg cagggcgagg tggggcctct gcagccatcc tggacaggcc   180
ggggtggcgg cagctttgcc cacgtggaag cggggtgggt ctcacttgcg tggtggcccc   240
tggccccatc ttgcctgctg cggcctgggg agcaggcgct gggtggtggt tctgcctgct   300
tgctgctcgt tccccgggca tgcgtgggca gcgggggcca tgcgtgggca gcagggggcg   360
tgggcagcgg gggcatgggc aggaccacgt gggccgtgat cgtgggttgc cgagaggacc   420
tgagcgctgc ggctctgctg aatggagccg ggtccctcag gccgtggacg ccctcgggag   480
gggggtgact gtggcttgtg tctggacagg aatgtgtcat ttcccacatc ttctagaggg   540
ctgccagctg ggaagacagt tatcagggca agctgtgctc tgagtttcgg gttctgctcc   600
tacaaagaac gtgcggtgct gcgggcgagg gccccggcac ggacaagggc cactgcagag   660

```
tgtgtttctg ctcgtcagct gccctgggca gcggatgggc tgggcgatgc agctggatgc      720
acatctcatt ctgtcatgaa tgtccagtaa aaatctgaat tggttgcaaa aaaaaaaaag      780
gggggggccc tttttaaaga atccttgggg ggcccaaatt ttacgggggc tggggaggta      840
ttattttttt ccttatgggg agcctattat aaaccctacc tgggattttt ggaaaggaac      900
ctttctttgt gggggggggac ataatggacc aacctcccta caa                       943
```

<210> 8835
<211> 720
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(721)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (271)...(664)
<223> similar to gi1545805 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8835
```
tttatttatt acacagccag attacttgac tccctatgtt tgaagtcccc agtttagatt       60
ggttattaag taagcattca ttagattttc aattatttat aaaagctaaa tataaagaac      120
cacaaactat ttcaacaagt taatacagcc aaagcatata gataaatata tgaaacaata      180
cagtaaatac atgagaccaa aaattcagtc tttcatcagt ctggaaataa acaaatattt      240
tgtgtgtgat tgtttctgaa actgcagaca ggtattttta attcttaact cctactgtgt      300
tcagtacatt attcagaaga ttagccagga acagaaaatg tgcaatttaa tttcccttag      360
gttcaaggta taagctaaac agagtctttc cctgcccaaa ttatcaagtt ggctgtgttt      420
cactggatag gagatgggac agtgggaatc ttgtttgttc attgatgggc gtcattattt      480
agatggtgag gcatttggct accttgaaag ncatctttac tccctgttac cctcacttta      540
ttgaatttct ttactttgac tttcagagct ctgggcagaa atcacatatt attttggagg      600
actttgttat tttattcaag ttaaagtata gggtttcccc aaattgaaaa ccagagtagc      660
ctatgatcat tccctgtggg attctttaac tgttaaggca aaaaaaaatg cagttgcact      720
```

<210> 8836
<211> 1806
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1807)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (58)...(1806)
<223> similar to gi2429362 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 8836
gattgcgccc tgggaccctg agaccgncga anttcanngn antagggggg cggagcggtt   60
ccgcccatcc ccgaccaggc ctgggatggc tccacccgcg ctggctccaa aataacgagg   120
gggcgggggcc cgggccgtgg gagcgcctga ggggcaggag tccagtgttt tagccttcga   180
aggaccatgg tgcttccacg tcatcgtgtt gtggcgctcc cggctatggc agtaccgtag   240
ttttcctctc ttctgcctgc ggtgaccatt gggctgtagg gtgccccgag gcctccctgg   300
ccccctcacg ccggcagaat ggcctcagcc cgaggggcca agcagtcttc gccccgggtg   360
gggaccaccc gctacacaga gacgtccacg gtccgcgtgg agacctcgtc ccaccgcgtg   420
gagacgtcgt cccggcgggt ggagacctcc cagcgccgca gcgagggggcc ctccctctcc   480
ccctcgggga agcggctccc tcgcatcctc gaggcgtcct cccggcacgt ggaatcctcc   540
tcgcagcgca cggaaacgac ctcccgccac gtcagagcct cgtccctgag ggtggagacg   600
tctctgcact gcgcggagag cccgaccccg cgggccaagc cggccgcccg ccagaacgaa   660
aaaacggccc gatgagatgc tgcttcccaa aggccaccaa ggggccaggg ccctcagcca   720
ggacagaaag gcctccagtt gccagccagc cagccagctg ccaggtggac caatcatttt   780
cggtttcatg gaaacaaacc ataaatcaat gtaagaaaca gccaagccgc agtttctgaa   840
cacagccaac gtttactgac cgtcctgcgt cttggaccag cctacttttg acccagtgaa   900
ctattttcac ttgaagccag cacagaaggt tttcaggccc aggatgctgt ctaaatcggg   960
ttgatggaca aagagaggct gtttgagcct ctgagccagg tgagtttggg atccacagcc   1020
ctcagaaaac cttcacccct taggaacaga gaccaaactg aaataatgac ctgtggaatg   1080
attccatgcc tgctaaaaac tcgaggggca aggaacagac tcataaatta ttaattggcc   1140
tttgtttatg tttcaaagta aatggtcgtt ttctttatgc taagtctttg tacctggcac   1200
ccccatccat acactttttt aaggtaggtt agatgtggtt aaaaatgaca gtaaacccac   1260
cagcaagcaa aaataatctt agaaagtgag aggaggtcac tgaaacctgg cctgaggttt   1320
gaagaagatg gagaagagtt atatttattg agaaccggct ctgtgccagg cactagatgt   1380
tcctccactt acgatggggt tacctcccgt tgaaactatt gtaagttgaa aatatggtaa   1440
tttgaaaatg cacttaatac ccctaaccta ctaaacatca tggcttagcc tagcctacct   1500
taaacatgct cagaacacct aaagttgagc aaaatcatct aacagaaagc ctgttttata   1560
ataaaatgtt gaatatctca tgtaatttat tgcatactgt actaaaagtg aaaaagaatg   1620
gttgtaagag tacttaaagt actattttta ctgaatgtca cttttgtacc attgtaaagt   1680
cgaaaaatca taagtcaaac catcttaagt tgggaactgt ctgtattttg ggaacttggg   1740
ctatagcagt aaaaaaggca aagtcccagc tctagtggag cttacacttt ggtgaaaaaa   1800
aaaaaa   1806

<210> 8837
<211> 1533
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (573)...(968)
<223> similar to gi5002521 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

```
          <400> 8837
      attagtccag tgcggtggaa ttcggaagag aaagggtctg ttgttttttct ctcctgtttc      60
      tcgctccctc tctgctgatc acaaagctgc tgaccgggtc agaaagtcct gatggaaatc     120
      caccagcgct gggcaggccc ctcctcctcc agggagcttg tccttgccta attttttcttc     180
      gtcctgatga gaacaaaaaa gagagagaga agaaaagaaa aaccacaaac ttcctttgaa     240
      aaccagcttg tagtcagggc ccggagcgca tgccatagac tcggcgactc aggaatcctg     300
      aagactctct gagcgacctg gagcaccttg gctgtgtccc tgcctgcctt caccctcctc     360
      cagtgccccc agtactgggc gtgagtccgg aagtggccac aacccagcct ggaccgtcgc     420
      ttataaagct gtgtaaacct gtataagctc aggcgttgac agctggaagg cagctggcac     480
      tggcagcccc cttcattgca cctatctccc ccatctcatt gccacggctg aaccctcctt     540
      ctcaatcttg gaacagcacc cccttctttca aggtgaagct ccccccgcag aaggaagtga     600
      tcacatcgga tgagctcatg gcccatcttg gaaactgcct cctgtccatc aagccccagg     660
      agaagtcaga gggacttcag cttaattttc agcagaatgt ggatgatgca atgacagtgc     720
      tgcctaaact ggccacaggt ctggatgtca atgtgcgatt cacaggcgtc tctgattttg     780
      agtatacacc cgagtgcagt gtctttgacc tgctaggcat acctctgtac catggctggc     840
      ttgttgatcc acagcagagt cctgaggctg tgcgtgcagt tgggaaactg agttacaacc     900
      agctggtgga gaggatcatc acctgcaaac actccagtga caccaacctc gtgacagaaa     960
      gcctgattgc agagcagttc ctggagacca ccgcggccca tctgacctac cacggactgt    1020
      gtgagctgac agcagctgct aaggagggtg aacttagcgt ctttttccga aacaaccact    1080
      ttagcaccat gactaagcat aagagtcact tatacctact ggtcactgac cagggctttc    1140
      tacaggagga gcaagtcgta tgggagagcc tgcacaatgt ggatggagac agctgctttt    1200
      gtgactctga ctttcacctg agtcattccc tgggcaaggg gcctggagca gaaggtggga    1260
      gtggctcccc agaaaagcag ctgcaggtag accaggacta cctgattgct ctgtccctgc    1320
      agcagcaaca gccacgaggc ccgctggggc ttaccgactt ggagctggcc cagcagcttc    1380
      agcaagagga gtatcaacag cagcaggcag cgcagccagt gcggatgcgg acgcgggtcc    1440
      tgtcactgca ggggagagga gccacatctg gacgcccagc cggggagcgt cggcagaggc    1500
      cgaagcacga gtcagactgc attctgctgt agc                                 1533


          <210> 8838
          <211> 1320
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (464)...(1210)
          <223> similar to gi160182 in the genepept database release 114,
             Run with FASTXY 3.3t00, default parameters



          <400> 8838
      actcgtgccg tggaattcct gcattaaaga aaaagctcct ggaggactcc tgaagcctga      60
      ggcagccttg gggcagcagt ggctcatggt ttacattgga aagacggtgc ctcccatcat     120
      tctagcccct cactgcctgg ggagctggag gcttaaatgc ctgagaggag tgaggtgttg     180
      aagaattgcc tgcatcccag ggatggagcg tggtggaaga ccaactcagt gcctcacagg     240
      ggtaattgag tcatgagggg tggagaagag ggcgagaggg agagaggata aatagcagcg     300
      tggcttccct ggctcctctc tgcatccttc ccgaccttcc cagcaatatg catcttgcac     360
      gtctggtcgg ctcctgctcc ctccttctgc tactgggggc cctgtctgga tgggcggcca     420
```

```
gcgatgaccc cattgagaag gtcattgaag ggatcaaccg agggctgagc aatgcagaga    480
gagaggtggg caaggccctg gatggcatca acagtggaat cacgcatgcc ggaagggaag    540
tggagaaggt tttcaacgga cttagcaaca tggggagcca caccggcaag gagttggaca    600
aaggcgtcca ggggctcaac cacggcatgg acaaggttgc ccatgagatc aaccatggta    660
ttggacaagc aggaaaggaa gcagagaagc ttggccatgg ggtcaacaac gctgctggac    720
aggccgggaa ggaagcagac aaagcggtcc aagggttcca cactggggtc caccaggctg    780
ggaaggaagc agagaaactt ggccaagggg tcaaccatgc tgctgaccag gctggaaagg    840
aagtggagaa gcttggccaa ggtgcccacc atgctgctgg ccaggccggg aaggagctgc    900
agaatgctca taatggggtc aaccaagcca gcaaggaggc caaccagctg ctgaatggca    960
accatcaaag cggatcttcc agccatcaag gaggggccac aaccacgccg ttagcctctg   1020
gggcctcggt caacacgcct ttcatcaacc ttcccgccct gtggaggagc gtcgccaaca   1080
tcatgcccta aactggcatc cggccttgct gggagaataa tgtcgccgtt gtcacatcag   1140
ctgacatgac ctggaggggt tgggggtggg ggacaggttt ctgaaatccc tgaagggggt   1200
tgtactggga tttgtgaata aacttgatac actaaaaaaa aaaaaaaggg ggggccgttt   1260
taaaggatcc aagtttactt ccccgggcat gcgaggttat agttttttta tagggccacg   1320
```

<210> 8839
<211> 1459
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1460)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (341)...(1430)
<223> similar to gi2982501 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8839
```
tttcgtacag agggaaggag gtggctccta tcagatgaca gacacttctc aaaagacagc     60
ttttcttcct ggagaacaga cttttcagc aggattttcc tttcagtgaa acataatttg    120
gcttgaaagg aacccaggga aaagtgtcca ggtgtgagca tgagcgggta gaggtgtgcc    180
cttgtttgct tcaggctgtc tgcttttcgc ccctgactgt tttttctgtt tctggccatg    240
gaggaagaga aagatgacaa gcccacaggc tgacttctgc ctgggcaccg ccctgcactc    300
ttggggactg tggttcacgg aggaaggttc accgtccacc atgctgacgg ggattgcagt    360
tggagccctc ctggccctgg ccttggttgg tgtcctcatc cttttcatgt tcagaaggct    420
tagacaattt cgacaagcac agcccactcc tcagtaccgg ttccggaaga gagacaaagt    480
gatgttttac ggccggaaga tcatgaggaa ggtgaccaca ctccccaaca cccttgtgga    540
gaacactgcc ctgccccggc agcgggccag gaagaggacc aaggtgctgt ctttggccaa    600
gaggattctg cgtttcaaga aggaataccc ggccctgcag cccaaggagc ccccgccctc    660
cctgctggag gccgacctca cggagtttga cgtgaagaat tctcacctgc atcggaagt    720
tctgtacatg ctgaaaaacg ttcgggtcct gggccacttt gagaagccgc tgttcctgga    780
gctttgcaaa cacatcgtct ttgtgcagct gcaggaaggg gagcacgtct tccagcccag    840
ggagccggac cccagcatct gtgtggtgca ggacgggcgg ctggaggtct gcatccagga    900
cactgaccgg caccgaggtg gtggtgaaag aggttctggc gggagacagc gtccacagcc    960
tgctcagcat cctggacatc atcaccggcc atgctgcacc ttacaaaacg gtctccgtcc   1020
```

```
gcgcggccat cccgtccacc atcctccggc ttccagctgc ggctttcat ggagtttttg   1080
agaaatatcc ggaaactctg gtgagggtgg tgcagatcat catggtgcgg ctgcagaggg   1140
tgacctttct ggctctgcac aactacctcg gcctgaccac agagctcttc aacgctgaga   1200
gccaggccat ccctctcgtg tctgtagcca gtgtggctgc cgggaaggcc aagaagcagg   1260
tgttctatgg cgaagaagag cggcttaaaa agccaccgcg gctccaggag tcctgtgact   1320
caggtactgt cctgcaccaa ggagggcaat gtccagcccc agagtccggg ggatcctgct   1380
cccactgcct caggtcaccc caggtcatct tgcacatgcc tgaggccacc acacacatnc   1440
ccnggtcacc tcacacggg                                                 1459
```

```
<210> 8840
<211> 810
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (340)...(793)
<223> similar to gi4432833 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 8840
gaccaaaggg ctggtcatga tctgctccag aaggggagta agaatttcgt tctccatttt    60
acagagtatg tatttgaaaa aaggatctcc cccaaaaata cgcctaggga attggtcact   120
aaacgtggaa gtaagtagaa atcaatgaaa gtccatttcg gcaagggaga aaaatcccat   180
cgtggaggag gggggcactc tccctcctca aaaaacaccc cagagtgaaa cgagccgaaa   240
tcccaagaag tggcttcgac gacggacacc acgagcagca gcctgcgctg gaaatgtctg   300
taccgggcga ggaggggcag agaaaaggca tctggaggag gaggaaggga aaggggctg   360
gaacccaaga caaaaagccc gtcaaggttg tccagctcct ggaggatcca gaccagcgaa   420
actgctccca atgaatcaat cccagcgggg gctaaatgaa atacgttaaa cagagaccac   480
gttaaggata ccgaggcgcc accagactcg acctcggcgt tccgacctct acacgttcca   540
cccaccgatg ggcatggagc cgctttcgac ccgcggagcc tccactgccc gcagcccctc   600
agtaccaaca ggcagggctc gcccttccc cccgagcaga caccattcct ccgccgccct   660
caagcctcgc ctccagcccc cttcccctcc cgggggtggg ggcttgaatg tgtgtccta   720
acccccagc ttcctaagcc ctgccagcct ttcagcgcgt ctctgggaat ccctggcaca   780
aaatcaccgc cgcgctccag ccttacgaaa                                     810
```

```
<210> 8841
<211> 962
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(963)
<223> n = a,t,c or g
```

<220>
<221> misc_feature
<222> (233)...(861)
<223> similar to gi912755 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8841
atggggaaat gagcctccgn ctttcacnnn ctcngnnttg aancccgggc gggatttgtg   60
ggctctnnnc tttttcctgt atttcccgtt cgggggagta ggttgaagtc tcctaagatg   120
cccggtgggc tgcgggcacc gggagctgtg aagggaacgt gaggggcgg cgtagtggag   180
acccacggca ggcctgaaga agagcggcgg ccgagcccgc cttccctgca ccatgctcat   240
agaggatgtg gatgccctca agtcctggct ggccaagtta ctggagccga tatgtgatgc   300
tgatccttca gccttagcca actatgttgt agcactggtc aagaaggaca aacctgagaa   360
agaattaaaa gccttttgtg ctgatcaact tgatgtcttt ttacaaaaag aaacttcagg   420
ttttgtggac aaactatttg aaagtctcta tactaagaac taccttccac ttttggaacc   480
agtaaaagcc tgagccaaaa ccactagttc caagaaaaag aagaaattaa agaagaggta   540
tttcaggagc cagcagagga agaacgagat ggcagaaaaa agaaatatcc tagtccccag   600
aagactcgtt cagaatctag tgaacgaagg acacgtgaga aaaaaagaga agacgggaaa   660
tggagagact atgaccggta ctatgagcgg aatgaattgt accgtgagaa gtatgactgg   720
agaagaggca ggagtaagag tcggagtaag agtcgaggcc tgagtcgcag tagaagccga   780
agtaggggc gcagcaaaga ccgggatcca aataggaatg ttgagcacag ggaaagatcg   840
aagtttaaga gtgaaaggaa tgacctggag agttcctatg tgcctgtgtc tgcaccacct   900
ccaaactctt ctgagcagta ttcctctggg gcacagtcta ttcccagcac tgttactgtg   960
ag   962

<210> 8842
<211> 1236
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (124)...(1227)
<223> similar to gi3646450 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8842
atgaattccc gggtcgacga tttcgtgccg cacgccgcgg agcattttct cggaggtccc   60
gggattacgg tgctcgagca cgctggtggg aaaggacccg ggacttgaac agtgttgtgc   120
ggcgccatgc aggtctccag cctcaatgag gtgaagattt acagcctcag ctgcggcaag   180
tcccttcctg agtggctttc tgataggaag aagagagcgc tacagaagaa agatgtagat   240
gtccgtagga gaattgaact tattcaggac tttgaaatgc ctactgtgtg taccactatt   300
aaggtgtcaa aagatggaca gtacatttta gcaactggaa catataaacc tcgggttcga   360
tgttatgaca cctatcaatt atccttgaag tttgaaaggt gtttagattc agaagttgtc   420
acctttgaaa ttttgtctga tgactactca aagattgtct tcttacataa tgatagatac   480
attgaatttc attcgcaatc aggtttttac tacaaaacca gaataccaaa gtttgggaga   540
gatttctctt accactatcc atcctgtgac ttgtactttg ttggtgcaag ttctgaagtt   600

7372

```
tataggttaa  acttagaaca  aggacgatac  ctgaatcctc  tacaaactga  tgctgcggag        660
aataatgttt  gtgacataaa  ttcagtgcat  ggcttgtttg  ccacaggaac  catagagggt        720
agagtggagt  gctgggaccc  aagaactcga  aacagagttg  gcctgttaga  ctgcgcctta        780
aacagtgtca  cagcagattc  agagataaac  cagtttacca  acaatctctg  ctttgaaatt        840
taattggtgc  cttgaccatg  gcagttggaa  caaccacagg  gcaggtttta  ttatatgacc        900
ttcgatctga  taagccattg  ctagttaaag  atcaccagta  tgggctgccc  attaagtccg        960
ttcatttcca  ggattcatta  gatctgattt  tgtctgctga  ctctcgaatt  gtcaagatgt       1020
ggaataagaa  ctccggaaaa  atatttactt  ccttggagcc  agagcatgac  cttaatgatg       1080
tttgtctcta  ccccaactca  ggcatgcttc  tgacggccaa  tgaaacccccc  aagatgggca      1140
tctattacat  tccagttttg  ggtcctgctc  ctcggtggtg  ttccttctta  gacaacttga       1200
ccgaagaatt  agaagagaat  ccagaaagca  acgaaa                                   1236
```

<210> 8843
<211> 973
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (244)...(915)
<223> similar to gi2648019 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8843
```
tttcgtgacg  gagctgtagc  ggcactgtaa  ctgcgagggc  agcgccgcgt  gtgtaacggc         60
gggggcgtgt  cggcgggaag  gacaatcggg  ccgggactcg  cggtgtccgg  gtgaccgcgg        120
cttcctggga  gcagacctct  gtgggcactg  tgaggcggaa  cggagcggcg  gggcaggagc        180
tgttctgggc  agccttcatc  ccgcgtggag  tctacccccca  agcccttctc  ctcttcccaa       240
ttcttgtcac  cttcgaggag  gccatggaaa  ccccaacacc  tttgccgcct  gtacccgcct        300
ccccgacctg  caacccagcc  ccacggacaa  tccagatcga  gttcccacag  catagctcgt        360
cgctgctgga  atctctgaac  cgccacaggc  tagagggaaa  gttctgtgat  gtgtccctcc        420
tggtgcaggg  ccgggaactt  agggctcata  aagcagtgtt  agctgctgcc  tctccttact        480
tccatgacaa  gctgcttctg  ggggatgcgc  ctcgtctcac  tctaccgagt  gtcattgaag        540
ccgatgcctt  cgaggggctg  ctccagctca  tttattcagg  gcgtctccgc  ctgccactgg        600
atgctcttcc  tgctcatctc  cttgtggcca  gtggccttca  aatgtggcag  gtagtagatc        660
agtgctcaga  aattcttaga  gaattagaaa  cttcaggtgg  tggaatttca  gcccgtggag        720
gaaactccta  ccatgccctt  ctttccacta  catcctctac  aggaggctgg  tgcattcgct        780
cttcgccttt  ccagacccca  gtacagtcct  ctgcttctac  tgaaagccct  gcttccactg        840
agagccctgt  gggaggggag  ggaagtgaac  tgggagaagt  gctgcaaatt  caggtggaag        900
aagaagagga  ggaggaggaa  gatgatgatg  atgaggacca  ggggtcagcc  acactctctc        960
agacttctca  gcc                                                              973
```

<210> 8844
<211> 2174
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(2175)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (955)...(152)
<223> similar to gi3044086 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

    <400> 8844
gactgnaagg agtgtcagaa agcgaaagac cggatggaga ggattaccag gaaaatcaaa   60
gactcggatg cctacagaag ggacgagctg aggctgcagg gggacccctg gagaaaggca   120
gcccaagtgg agaaggagtt ctgccagctc cagtgggccg tggaccccc   tgagaagcac   180
agggctgagc tgaggcggcg gctgttagaa cttcgaatgc agcagaacgg ccatgatccc   240
tcctcggggg tgcaggagtt catctcgggg atcagcagcc cctccttgag tgagaagcag   300
tacttcctga ggtggatgga gtggggcctg gcacgggtgg cccagccgcg actgagacag   360
cctccggaga cgcttctcac cctgagacca aagcacgggg gcaccacaga cgtgggggag   420
ccgctctggc ctgagcccct aggggtggaa cacttcttgc gggagatggg acagttttat   480
gaggctgaga gctgtcttgt ggaggcaggg aggctgccgg caggccagag gcgttttgcc   540
cacttcccag gcttggcctc ggagctgctg ctgacagggc tgcctctgga gctaatcgat   600
gggagcacgc tgagcatgcc cgtccgctgg gtcacagggc tcctgaagga gctgcacgtc   660
cgactggaga gacggtcaag gctggtggtt ctgtcaaccg tcggggtgcc aggcacgggc   720
aagtccacac tcctcaacac catgtttggg ctgcggtttg ccacagggaa gagctgcggt   780
cctcgagggg ccttcatgca gctcatcaca gtggctgagg gcttcagcca ggacctgggc   840
tgtgaccaca tcctggtgat agactccggg ggcttgatag gtggggcctt gacgtcagct   900
ggggacagat ttgagctgga ggcttccttg gccactctgc tcctgggact gagcaatgtc   960
accgtgatca gtctagctga aaccaaggac attccagcag ctattctgca tgcatttctg   1020
aggttagaaa aaacggggca catgcccaac taccagtttg tataccagaa ccttcatgat   1080
gtatctgttc ccggccctag gcccagagac aagagacagc tcctggatcc acctggtgac   1140
ctgagcaggg ctgcagccca gatggagaaa cagggcgacg gcttccgggc actggcaggc   1200
ctggccttct gcgaccctga gaagcagcac atctggcaca tcccaggcct gtggcacgga   1260
gcacctccca tggccgcagt gagcttggcc tacagtgaag ccatatttga attgaagaga   1320
tgcctactcg aaaacatcag gaacggcttg tcgaaccaaa acaaaaacat ccagcagctc   1380
attgagctgg tgagacggct gtgagtgtgc agagaaaccc agttcaggtg taggaggctg   1440
ctgtgggcag ccctgtctga tggggcaccc gtgtgggggct gtgctctggt gcctgagaat   1500
ggctggtgcc caatcgacat gagaagacga gcaaaagaca gagggtttgg agtctcctca   1560
acagtgttaa aagaggaagt gacctcacag accagctcag agatgttacc aagaatatca   1620
cagcccccag ggtagggaga caagcagcag tttgttctgt ctcagctcct gtcaaggatc   1680
ctgcggggtg ggccctctgt atagctgctc tctgtcactg gcccctggag tgggagcagc   1740
gtccttagtc actgcaggcc caggcgggca ggtggtccca ggacagaggt ggggaagttg   1800
tcctgaggaa gcagaagtag gccttgctcc cgcccaaccc aagggcctcc agtggaccag   1860
cattcaagat gtgagtgccc gtggtgtgca aggcactccc atggcaccgt atttattgac   1920
tgatctgtga aggcttccct gacccctgcc caggaagagt tcactggtcg ctctgttgtg   1980
ccccacagca ctttgttata cctctgccac acacttcacg cagcgcgttg taactcatgt   2040
gtttacatgt ctgtccccc   agactgtgag ctccttgagg gcagggactg tacattctcc   2100
agctctgtgt ccccagggcc tggcacattg tagacgctta ataaatgtct gttaaatgaa   2160
aaaaaaaaaa aagg   2174

```
<210> 8845
<211> 945
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (187)...(940)
<223> similar to gi3876566 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters



    <400> 8845
ttgcgtgtcc ccaggagctg ggagcgggtg accggcggcg gggaagcggc ctgggttggc      60
cctcagattg cggggtctgg gggcatctcg ccgggcaaac ccttggcccg cctacaagga     120
cttcccccgg ccagagcaat ggccgctgag aacagcaagc agttttggaa gaggagcgct     180
aagctgccgg ggagcattca gcctgtatat ggagcacagc atcctcctct tgacccacgg     240
ctcaccaaaa atttcattaa agaacgatca aaagtcaaca cagttcctct gaagaataag     300
aaggcctcca gttttcatga gtttgcacgg aataccagtg atgcttggga cattggcgat     360
gatgaggaag aggacttttc ctcaccttct ttccaaactc tgaactcaaa agttgctttg     420
gcaactgcag cccaagttct agaaaaccac agcatgctga gagtaaaacc agaacggtcc     480
cagtcaacga catcggacgt ccctgccaac tacaaggtca taagcccag cattgatgcc     540
cagctgtgca gaaactctag tgatacatgc ctgaggaacc cactccacaa acagcaatca     600
ctccctctcc ggcccatcat cccccctcgtt gcccggatct cggatcagaa cgcttctggg     660
gcccccccaa tgactgtccg ggagaaaacc cgcctagaaa aattccgtca acttctctcc     720
agccagaaca ctgacttaga tgaactgagg aagtgtagct ggccagggt tcccagggag     780
gttcgaccta taacctggag actcctgtcg ggctatctcc cagcaaacac tgagaggagg     840
aagttgaccc tgcagcggaa gcgggaggaa tattttggct tcattgaaca gtattatgac     900
tctcgaaacg aggaacatca ccaggatacc tacagacagt gtatt                     945



    <210> 8846
    <211> 2103
    <212> DNA
    <213> Homo sapiens

    <220>
    <221> misc_feature
    <222> (1399)...(2102)
    <223> similar to gi1185397 in the genepept database release 114,
        Run with FASTXY 3.3t00, default parameters



    <400> 8846
aatacatgcc tccatttgtt aaaaataatt gttcttttat ttctttggaa agtagtgggc      60
cctgccctat ggattttcag gtcaaactag ggtaatgaat gctcccctag tctttgggct     120
ggagcactat ggtcccagct ttcccagggc ccagaagcaa ttcctgtatt gtccaaccca     180
agcaactagg acccaaattg tctgaaggct cctatcaggc cttctctcct gaccacccac     240
ttcccaatct ttcctggctt tccctctggg cagggtattt ttttcttcta aaaccagtgc     300
```

7375

```
tggaacctgt gctgtgcaga agagaggaca agacgaggga tgttcccaaa ttcccataag    360
aggacacagc ccctcagtca gtccttcctc tctgctggct tcagtctgca ctcctctgca    420
agcccccact gtgaggcttg aagatggaca agaggaccct cataaaaggg aggtgagaga    480
aaacacacca tcccaacccc tcctcaggac atactccttg tagtctcttg tcctagttct    540
caagggagcc cttcagacag ggatggggaa ggctaggtga gtgggcaagg gccccctgac    600
cccagccctg cgaggctata ccaggggagt gtccattagc cccatcagtg tggcatggcc    660
gtgatgcgca tgctctggga agcgataggg taagtcacca tgggagtggt ggtgtggctc    720
attgtgattc ctgccaaggg ttgggccatc gatacagcca caggggccac aggagccaca    780
gatacagcca caggagccat ggagacaggt ggaggtgcca ttccctgggc aattgtttga    840
gccagggcag ctgacagtgg cgtgatctct ggggtcaagt gtgggggtgg gggtggtgga    900
gcagcaggag gtgcagcatt agttggggga gcagctggag ctccagcagg ggccaccagt    960
tcttgctggg acactggacg aggctgtaga gcctggctgc tgagagtagt gtgagtctgg   1020
gcaatgccat ggttaaaagt ggcaacagtg cccacagtgg gggccagagt ctgctcagtc   1080
gctggtgcag tggagctcag ggttatgacc ttggcctgat tgcggaactg agcattttgt   1140
tccagtagta cctcattggt ggccagcagg ttgctgacct gcttctttaa ctcctctacc   1200
cgcttcctga gcatggcatt ctcctcctct agcagtctgc actccacccc tcgcggtgga   1260
gccaaactat attcatatga ctcaaaatga gggccatcag gggggcagca tccacctcgc   1320
cggcgttttg ggcgtggctc atggtcctca aagccctgt caggaaggtc atagatatca   1380
tagagatcat gacgtcgtcc tgggaggact gagcctgttg agcccccacc agtgcctcct   1440
ccaccccgag catcaaactc aaaatcccgt tgcaggtgac ggaacttgca cttggctcct   1500
ctctgacagt caccccttgag aaagtcacgg cagatagggga cctcctcctt gccatttggt   1560
aggtcagccg gtgaaaggcc aaggccagct gctactttct gcctcagccg tggggaagc   1620
tctcctgtct tcttatagcc atcctcatcc tccttggagc catggatgaa acggcaattt   1680
gggcggctac actccttgtt ctggaagtca tggcagaaga tgaactcgtt tttgctcacc   1740
cccaagttgg acacctcgct catgtctggg tggcgatatc ggcaacgctt gcctcgcttg   1800
cacacattcc tcaagaagtc tctacagatg gcatctgagc tggccccgcc actgcctacc   1860
cctgccccac tggcctcctc gctgccacca cctccagggc ctccaccgct gctcccggta   1920
ccgttggcat agctgtcccg gtcaggcatc ctggtcccgc ccaactcagg gtttttcttta   1980
tcttgccact cttggtgacc actgaggtag ctcaggtgaa gtccggggct cctgtgggtc   2040
tccacctcca catcactgct gggttctgcc gccgccgccg tagttgctgc tgccgccacg   2100
aaa                                                                 2103
```

```
<210> 8847
<211> 689
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (399)...(689)
<223> similar to gi1345538 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 8847
ttttttttttt ttccagtcgg gttggagttt atttctgcca gagcctggag gctgggaggg     60
taaaggacac tcctttagtc ccagagggaa gctccgaacc ctcagagcaa ccagaaggga    120
gggcagagca tgggcagcag caggagtgag aggggtcccc ttgtcctgcc cctttgcaag    180
ggttcaaggc tggtggaggc ctggggcttc tgtcgctcag gagttcaggg gtggacgcag    240
aaatggggga aggagagtgg ctacgtagag agtgagagcg agattcctaa aaagatgcac    300
agagagaccc tcagagaggc caagaaagat ggtgagaggg tagggaagga gagggaggga    360
```

```
gagagagaga gagagagaga agcagaggga atgggttgca ctggctgagg atggtggagg      420
agccgtctca ctcccttcct aatgtctata gatcaataac gagggaagaa aggaggacag      480
ggagctgatg gaaacacagc ttgccaactg tacccagtcc cccaacaagc aaggtagctc      540
cagtccttgc ctccctgcct gccccgctcc tctgtgttta ggggtcatcc tttgatggga      600
ggttgcaggg gacccaggtg ggggtgataa atgccagagt cctgcaccat ttccaaaggg      660
caagaagtca tagggcggct cgtgccgag                                        689
```

```
        <210> 8848
        <211> 159
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (23)...(151)
        <223> similar to gi3002527 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

```
        <400> 8848
tttttttttt ttaaaaaaca gattctcact cagttgccca ggctgaattg cgggggcgct       60
gtctaagctc actgcaacct ccgcctccca ggttcaaggg attctcctgc ctcatcctcc      120
tgagtagctg ggattacagg cgtgtgcacc atgcccaac                            159
```

```
        <210> 8849
        <211> 964
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (495)...(946)
        <223> similar to gi22092 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

```
        <400> 8849
cacctgagta aacactttca gctgccctcg agaaatggta ggattggcta tgtgctgagc       60
ctagtggcac tgcagctcat ggaggcagca ccggcttcag gccgctgtgg ccttggtggt      120
ccctttgatg gcacggaggt ggataaatgc ctgcatcagc tgacactgag tttgtggaca      180
ccagggacct ctgcagctag ctgggaaatc tttcccagga ggtctcccac cccttccctc      240
tggaacaccc cctgacgagg ccaggggagg aacccctact ctatgttcta ctctggtacc      300
tagtgctcac ggtgagcagg ctggctcggg gcagccctcc tcagagctgg agcgcctttc      360
aggtgccctc tgaacagata ctgttcagaa tacagataaa cagatgccac caaggtcccc      420
tagctgtgca gtggaggggc aggtttcaaa atcagatctg tctccaaagt tcctgctctt      480
```

```
aaacaaagct gtcccatctt cccacccctc tccatgggcc tgtcctctcc tctaagtacc      540
atatcccaac tctcccagga ctggcatcat cttaagagtc agtgccttct ctgttcccag      600
ggtccccact gactccaacc tgcccacgtc ctccactaca tgaacccaga actgttgtac      660
atgatggaac cacctccatg cccatgggta ctgtcctgcc accagcccca gtgggaggca      720
cctctgcctg tccctgtcca accccagtac cccatcttga ccaaggccat gccctgacct      780
gcctccaaga acagaccagc agctcacccc ctagacaaaa tcacttcctc tttaattgct      840
gttgaagaag attcacacca ctgcctccaa ggagatgggg gggcatttcc cccttgcccc      900
cacctctctc ccctccccaa ttacctggtc ctttgcaaac tattttagcc agaaaaaaaa      960
aaaa                                                                  964
```

```
        <210> 8850
        <211> 1097
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (736)...(1097)
        <223> similar to gi5306259 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters


        <400> 8850
tcttgttctt cccaacagag aggcccgttg aggcttctct gtcctccatg gggaacagca       60
ttggcctaaa cctgcagaca ccattgcaaa gggaagtcag ctcaggcaaa cccgctggtg      120
aagaagaatt ccagtgtggg gacacagaga ctgacatttc ttgccatggg tgatttaatt      180
ttgggcctca gtttttcatt cccccctaag agtatgacac agccgcatcc ttgccagggc      240
cggaggggagg gtggatggac ttataggtgt tgcttgtggc tgggtgactt gcttctgcca      300
acgagatttt cacagacacg gcacaagcag aagcctggaa tgtgtggcac tgccaggcct      360
gccctcttag gctcttgatt ttccccacga gatatgcgtg ccccagggaa cggcggctct      420
ggctgtggaa tgagaggcgt gtggagcagg catggttccc accctcagcc tagagtcaag      480
gccagactag atcagcctaa gcccagccac gccacgggtg cagcagtgaa gagcaaatgc      540
caactgtcca tgacagtgac tttcaaaggg gtgtgtcatg tgcctcatcc cagcaacagg      600
gaaggcattt ctctatcagt cagttggtaa atgattattg acaatgtgtg ggaaaggggg      660
aacgatttgg agcagaatct ggccctcctc tcttcatcgg aacctctcct ttcttacacg      720
cgcaggcccc ctccttcggt tcgaccctaa tccttaacag acctcctacc taccccctggc      780
accaatcaca ccctcttcac accaccgtgc aaactaccct cccatcccat ctctctcccc      840
atctgctcta cacgcctcgc ggaccctaga ccctccttac tcgccggtca taatcctcta      900
ccatacgctc tccctcccac ctccttcacc ccaccctcgc cactcccca tctctatccg      960
cctctctatc tctcctctct tctccccacg actacttact tcacccttcc ctcttccttc     1020
acgccactcc gtctccctct ccacgcctgc cctcataatt tacccatcac cctcttcctt     1080
caggggggaaa aactccc                                                   1097


        <210> 8851
        <211> 3149
        <212> DNA
        <213> Homo sapiens
```

<400> 8851
```
cacttgattg cagagaaggt ctacagagca gtggttagaa cttggccctg aggacagagc     60
ttttgctccg tatgaggctg gcaggtaacg atcttctcag ttttctccca ggaattctgg    120
aacgatgaag gtgatgattg tgcctgtggc caagaccggg agaaccctgg atccctacac    180
cttccccacc cctggaatgt cactatacat atctgacttc ttctgatgtt gcctttgacc    240
ctaaagtcaa tatgataaag taacaagaag ctgggacaga ggaacaaaca cagcccactc    300
aagcagtggt ggcaacattc tgttagaaag gaggggagtc aaagaaaaaa acacccctcc    360
gcccatctcc ttatcacctc cctaaagaca gaggagaaca tggacaccct ccatcctgat    420
agacatgcca tgtggtcagt ttgtgcggta aacaggaaaa aaaaaaaacc taaagatatt    480
gtagaccttt attttcttta aatctcctaa taaaaacatt aaactttcaa gaagattcca    540
aactgacatt gcatagacca actcctttcc aaaaatatct ctgatatact ctccaactct    600
ctcaatatat agaatttgaa gtccaggagc tgtgggcacc tggtgggaat tcactgagct    660
caaggggaca agagggctga ggacagggct cccacatggg gacaaggcca ggctttctgg    720
cctctggttc cagccagcat caatttggtt gtggccaaat tctcagtcca atcaccctgg    780
cccagggcct ggcgtgggag gatgtggcag gctctgtctc cttctggggt tcctggtctg    840
gaggagtctc cccaacagcg ccaaagctgg ctgttttccg cccaaagccc cagaactttg    900
aatgagaggc aaatctaccc tgaatgcacc tccctcctag gctgggtgag gtcacgcaga    960
cacagaaggg caggacagaa ctccccatct tctgggggcc aattcgtctg gacactgtgc   1020
ggtcagcttc ctttttaaag tgccagtatc ggtggggcag gaagggactc tcagggctga   1080
gcagagcctt ctccagcgcg agcaaacact ctgtcccgcc tcggcaggca ccttctaaca   1140
ttcattttct aagggttagg tgagtaaaac aacaacaaca aatgctggaa atgctctgtt   1200
cccaatgcca gggagttcca agaccaagaa gcccaactct caccagcggg ggcagatggg   1260
gagctaggga aggaaccctc ccagcctggg gagggcacct gcacccctcc cagagagaga   1320
agcccccatc ccggcccccc agctgggccc cagcgctgct ggaaccagcc ggcaggtggg   1380
gcagaaaagc agcacctccc ctcaccaggg cgaggaggca atattgaacc gtgaactcaa   1440
gaagaaagac ggaaagaaaa aatgaaaaaa gctacagggc taagtaaaca ccagcctgct   1500
gggtttatac aaaatgagtg aaatttaaaa ggggcaggag agtttgtcca gggactggct   1560
ggcagccaga acccaccttc aagcaagtta caaggacttg ggggaaagtg ctgagagcag   1620
aggctttagt aggggcagg gccagactgc tccccactgg gaaagcacac cccttaaagg   1680
agcccttccc ccttgcccag aacggggat gcttccagag gaaggctgag gcttttctgg   1740
taaggaagcc agctccggac cagtccagcc acagcccacc tgcctctatg gcatccgccc   1800
cagtctgggc agctgaccct gagggcagag aaggactttg cttgctccaa ccttcctgca   1860
ggaaaaccag ctgctcagga cccagccctg ggcagagggc acggtcggtg ctcagacctt   1920
tctcagcacg ggtctcagac ctgagctgga gctaactgga ggaagaggca gcacccgttc   1980
ccgccgggct gctggaccct gggcctctga ctgcacagca ggcagtgacc aggagtcctt   2040
gggaaggagc tcagggaagg ggaggtgagg ggccagtggg actgtgctgg gggtgagcat   2100
gtgcaaagtg caggctgcaa ggcagcggga ggacatttgc cggggggagg cagggtctc   2160
gatctggagt gtgggtgggg tctgaggtca tggctcccag gaagaggccg ccagcaggtc   2220
ccccaggaca caaggaaggg acagctgaag cactaagcag tcagacagtc acaggtggca   2280
ggattccgga ggcggtctgg ccccccacc accagggcaa gggaacaacg gagcaaggcc   2340
ctgctgctaa gacgtgacca aagccagtgc tcctggagtg agtggggaca caggtagaga   2400
ggcccctca gccacaggca tctctacatt taggagctgc tgcatgtcct cagccagagg   2460
gctgggtcag tctccagcag cgccggtcct tgccagctcc ttcttgccca caagctgcac   2520
gggcccgcct ggcctgcctg gcctgccctc tagtggttca gaggagaata ttcacagtgg   2580
tgcctgggcc ttggtgggcc aggagggtcc cagcatggat gggaggggca atggaatgat   2640
gctacgggga gtgtggactg gagtgcatgg aggaggcatg gatgagatgt ggcgcagagg   2700
tgatctgaag gggaaagttc ctcatggaat gatacaggtc tggactccag agaaagcagg   2760
```

7379

```
actcttctcc agcccggaca cctgctcctc aatggctttc aatcacaact ggctcgtaga   2820
ccccagaaga gaccctggtg gcaagctgga tgccgctcag cgtggcagag ccatcgcggc   2880
tcacgaacag ccggaggttg ctgtcctcgg tgttgctgcc atctgtgaag tcctggctct   2940
gcacgatctt ctccacgatg gcatccgcat cgatccgcgt gtcgtccacc caggtcgggt   3000
ggctctccac cgagtccttc ttccgcctga aagagcgatc ggacagatgc aggggccggg   3060
gtggccgcgg cggcttctcc gggggccggt gctcccgctc actgccctca gggccctcca   3120
cggtcatgcc aaggccccca gaggcgctg                                     3149
```

<210> 8852
<211> 724
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (125)...(725)
<223> similar to gi19927 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8852
```
ggaggcatga gagggcactt gcacagatct tgtgtctgga aaggggaagc gggacagcag     60
gaggctccag ggagtaacct gaggaagctg ccttgggtgt gtcttggtgc catgccttag    120
gcggccacca ggtggcgcca aacccacacg ccccccgtttc aggtgtgctg agctgcaccg   180
ccccagccgt gcacctactg cgtgcagagg gtgcagagcg cggccggtgc tcacccgcag    240
cggacaggat gggggcgtgt tccccagctg atgccgtctg ggccagactc agatgagagg    300
ccttgcttgc ctgatggccc taacttctcc agcaagctgg gggccgcggt atctccttgg    360
ctgcatgtcc catgctctgc ctgccaaggg actaggaag aagcctcagg aaggtagaca    420
gatgcacccc ctatgtctgc agcacagtct ccatcccccc gggctcaggc cagactgcta    480
gctcctgcct tcccttggcc ccagaccctc gcagtcccgc tcctcagcct ctccccacca    540
atctccagca gatgtccacc cccaatgccc tctgcagcct cccacccccgc agccctgct    600
gaggtcagtc agcctgggcc ttgccatgcc tcaaaaacca tcccatggag taccttgtgg    660
ccaaacccac ctgccccgcc tctgacccca cctgtcctgg ctctgacccc acctgccccg    720
gcgc                                                               724
```

<210> 8853
<211> 1841
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (973)...(1841)
<223> similar to gi4689262 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

```
<400> 8853
cagttttgga aaagtgagct ctcggttctg ctctgagatg ggcagagaag atgcgggcca      60
ggagacttac tcaggtggga ctgggcacag ggcaggtatg tgggaggctg ggctgcttag     120
tgtcttctag tcacctctgc ttgggctgat tgacagaggt cagtcattac agccccttat     180
gcctcttcca tgggaacaaa tactgtgcag atgtttgtaa gttaaacata agacacaggg     240
gctgttgctt ttgaacagaa ccctatatta ctctcctggg atctgagttt ctgcaggtca     300
tttgtatgta ggaccaggag tatctcctca ggtgaccagt tttggggacc cgtatgtggc     360
aaattctaag ctgccatatt gaacatcatc ccactgggag tggttatgtt gtatccccat     420
cttggctggc ttcagttttt gctgtagccc tagagcactt tgtttgtggg aggctggcct     480
cttgcctacc tccttgcatg gacaggggga tgaatattta ctttcccacc tccttgcttt     540
ttctttcact gataccactg aatggaactg gtgctgtgac tcctgctgct ggggatttat     600
gtcccgagac cttagcctgg ctgagtggag cctgagacct gcacaacagc tcatggtcat     660
gcatgagaga gaagtggctg gccacagcca gagggaacag taacagccca ggggccttta     720
ttttgggaaa ggctgtccgg ggctgttact gtctcttctg gttataaagc agacatgtgg     780
ccatcttttc cgcagggtta gagtgggctc ctttcttttt ggaatccttt tcttctcctt     840
tggtagcagc tccctgcctc cagggcttcc gccaccagcg tctctgctgt gttgcgcagt     900
gcagtggggt gcaagggctt tgtttctgcc ctgcctgaaa gagagggctc tggggatgga     960
gatgagaaac aacacgctct ccttcagaca atgaggcatt ctgtcctcct gctgcccatt    1020
cttcatctcc actgagagcc cagagtctgg taggagccga agttgccaca ggcattctgc    1080
attgctctac tcttaggttt gtgtgtgtga tccttcccct ccctgttcgc ccactcctcc    1140
ctcctctggc tattcctaac cctgttctgt ggggctcttt taataaccag cctatggttg    1200
tggggaattg ttcatgggca tttagttcca gagtggaggg gctttggtcc tgaaataaaa    1260
tgcaagtatt taagattgtt gttgcaattt gtgtctaaca agctgtagca gagaaggagg    1320
gagtgagcgc tggcagtatt tcctttcata aatcatgaat ttatcagtgt ggaaataatg    1380
cttcagaact gtgctctgta gccctcctgc attgtgtgtg cagctcaagt tcaccactgg    1440
aggaaggatt gtcttccaaa gagctgggat ccaactcttc tcacagttct gggcgtgaac    1500
cttgttaggt atactttacc tgatgctgct tccatcctcg cagtctgtct gaggtgccag    1560
gtgctgaaag agaaataaag tttgtcaaca ggcagatgca aagccctggc tggtattcat    1620
ccctctttcc tgcccgcctc ccctgggtct ctcctttata tgatgcagca gagcaaggcg    1680
aggatagaaa acctacagag gcaaatccaa aatgtcagaa gaagttcatt taaaagggga    1740
aaaaaactcc atgtgcaacc ctcacaaaaa cccgacagat gctaagctaa tggcatccgc    1800
tctgccgatt ggtggggatg gctcatgaat attaatgagc t                        1841


<210> 8854
<211> 1301
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (606)...(939)
<223> similar to gi2072964 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters



<400> 8854
agaaacatct ttcagggatt aaggagaaga tcaaaacagt ttcagattaa gaaaagctaa      60
ggacatctct gaccagcagt tctaccctaa aagaagggct aaggggagtt ctctagacgg     120
aaaggaaatg attaaagaag gaaccttggg acatcggaaa gaaagaaaac agcaaaatag     180
```

7381

```
gccttccttc tcctcttgag ttttctaaac tatgcttgac ggtttcagaa aaaaatcata      240
gcaccattca atgtggttct aactctccat aaagaaaatg tttgaaatgg ttataaactg      300
ggagggtaaa gagacctaca agggaggtaa ctcgtctatc attcactcaa attggtaaaa      360
caatgacacc agtataccgt gtggttaaga tatagatgca cagatatacg aatgtctgga      420
aaaaccaaga gggctataca aacagacata ctcaaaagca ctatggataa ggcaaaacac      480
cattctcaaa gatgttcaag tcatgacagg aaggtaagaa aaagaaagca tatccagaaa      540
acgaaaccag ggagaacaaa cagaaaagga aaaataaaat ggcagattta agccctacca      600
tgtcaatatc attaaatatc aatggcctaa gtataccagt tgcaagacac aggctggcag      660
agtaggttaa tggacacgaa ccaactacat actggctaca aagagactaa cttcaaatat      720
gatgatacag gcaagttgaa atgaaaaggg tgggaaaaga tatatcatgc aaaccttagc      780
caaaggaaag caagactggc tatattaatg ccagatatag tatatttcag aacaaataaa      840
ctaatcagag agagagaggg acgttataaa atgatgaaag gaccaatcca ccaacccctc      900
ccctgacgag gccggttgag atgtgtgaag cagctctggc taacagcggg tagggagagg      960
gcgcgcggga cccaggagcc tccgtgcgga gccaggcctc aggagcagcc gccttgttcc     1020
tggaaggggt gcctccctcc atcttgtctc caaagactgt agggagacct tctcgcccgg     1080
taggaaagcg acgtctccca tgctttccca ccacgcaggc cttgtggcct ttctcctgct     1140
agtgtctgcc ctccaacctg cgggggctgc ggctgccacg gttccacgct gggtggacgc     1200
tgcctgcccg ggatccaaga cccgccgttg caggcgggag ttggggagtc gtgtgcaggt     1260
ccgaaggaga cccaagctct tggtcaaggc ttttttgctc c                        1301


        <210> 8855
        <211> 361
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (15)...(137)
        <223> similar to gi403460 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters



        <400> 8855
tttttttttt ttgagacagg atttaattcc ctttgaccag gctggagtgc aatgcaatgt       60
tggctcactg cagcctctgc ctcctggggc tcaaagtgat tctcctgcca cagcctcctg      120
agtagctggg actacaggcg cacaccaccc gtgcccagct aatttctggt attttttttt      180
cttttgtag agacagggtt tcgccatgtt gcccaggctg ggtttcaaac acctgggctc      240
aagcagtctg cctgcctcag cctcccaaag tgctggtaat actgcacctg ggcctgtggt      300
accttatttta tctttgtatc tctagtcctt tgcaccattc agcctcaata aaggttggtt      360
g                                                                      361



        <210> 8856
        <211> 1311
        <212> DNA
        <213> Homo sapiens

        <220>
```

<221> misc_feature
<222> (1)...(1312)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (619)...(1311)
<223> similar to gi5712203 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 8856
acaaaaccaa gatgctggtt aggcagggct cttctcttat ctggaaagaa tcctcttgtt   60
tagggtgttg gaagaatccc cgtcgccccc tcagttgtga ctgaggtctt ggtttccctg   120
ctggccgcca tctgggggcct cagctccttc aagctgccca ggttccttcc catgtgtgtc   180
ctctccccca ggtgtccggc caccctctca tccccctcgt atttcaaatc tcacttccta   240
ttctgtcacc agccagagaa ggctctctgt gttgaacact cctgtgattc cagtggctgc   300
acccagatcc tccgggccgt ttcccctccc ttaaggattc ctatgccatg taacagcaca   360
ggcatgggtg tgatctcacg tgttcacagc ttccggggggc taggatgaga catgcttggg   420
ggcggggggcc acttaaaaat gtgcctgcac tgtgggcgtg atgctctgca ctgtggaagg   480
aaaaggagtt aaatgagaaa tgatggtggg cgctgagcct gagcagcgcc gctttgtgcc   540
gcagcatcaa cctgtgggaa atggcggagt tcctgctgaa acaggacgtg gtcaacgcca   600
tcaacctgga tgggggtggc tctgccacct ttgtgctcaa cgggaccttg gccagttacc   660
cgtcagatca ctgccaggac aacatgtggc gctgtccccg ccaagtgtcc accgtggtgt   720
gtgtgcacga accccgctgc cagccgcctg actgccacgg ccacgggacc tgcgtggacg   780
ggcactgcca atgcaccggg cacttctggc ggggtcccgg ctgtgatgag ctggactgtg   840
gcccctctaa ctgcagccag cacggactgt gcacggagac cggctgccgc tgtgatgccg   900
gatggaccgg gtccaactgc agtgaagagt gtcccttgg ctggcatggg ccgggctgcc   960
agaggccttg taagtgtgag caccattgtc cctgtgaccc caagactggc aactgcagcg   1020
tctccagagt aaagcagtgt ctccagccac ctgaagccac cctgagggcg ggagaactct   1080
ccttttttcac caggaccgcc tggctagccc tcaccctggc gctggccttc ctcctgctga   1140
tcagcactgc agcaaacctg tccttgctcc tgtccagagc agagaggaac cggcgcctgc   1200
atggggacta tgcataccac ccgctgcagg agatnaatgg ggagcctntn gccgcagaga   1260
aggagcagcc aggggggcgcc cacaaccct tnaaggactt aagnctnaaa g   1311

<210> 8857
<211> 1324
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (496)...(0)
<223> similar to gi2565196 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 8857
cgattccgga gagggagcct gagaaacggc taccacatcc aaggaaggca gcaagcgcgc   60

```
aaattaccca ctcccgaccc ggggaggtag tgacgaaaaa taacaataca ggactctttc    120
gaggccctgt aattggaatg agtccacttt aaatccttta acgaggatcc attggagggc    180
aagtctggtg ccagcagccg cggtaattcc agctccaata gcgtatatta aagttgctgc    240
agttaaaaag ctcgtagttg gatcttggga gcgggcgggc ggtccgccgc gaggcgagcc    300
accgcccgtc cccgcccctt gcctctcggc gcccctcga tgctcttagc tgagtgtccc    360
gcggggcccg aagcgtttac tttgaaaaaa ttagagtgtt caaagcaggc ccgagccgcc    420
tggataccgc agctaggaat aatggaatag accgcggtt ctattttgtt ggttttcgga    480
actgaggcca tgattaagag ggacggccgg gggcattcgt attgcgccgc tagaggtgaa    540
attcttggac cggcgcaaga cggaccagag cgaaagcatt tgccaagaat gttttcatta    600
atcaagaacg aaagtcggag gttcgaagac gatcagatac cgtcgtagtt ccgaccataa    660
acgatgccga ccggcgatgc ggcggcgtta ttcccatgac ccgccgggca gcttccggga    720
aaccaaagtc tttgggttcc gggggagta tggttgcaaa gctgaaactt aaaggaattg    780
acggaagggc accaccagga gtggagcctg cggcttaatt tgacccaaca cgggaaacct    840
cacccggccc ggacacggac aggattgaca gattgatagc tctttctcga ttccgtgggt    900
ggtggtgcat ggccgttctt agttggtgga gcgatttgtc tggttaattc cgataacgaa    960
cgagactctg gcatgctaac tagttacgcg accccgagc aggagaacag cactgtaggc   1020
atgaagatcc aggaggagct gcaacgttcc gggggcctgg accacctcgt actctcacca   1080
ggagaatggc ccgtgagtga caacaccatc atgcacatcg caaccgccga ggccctcacc   1140
acagactact ggtgcctgga tgatctgtac cgggagatgg tgagatgcta tgtggaaatc   1200
gttgagaagc ttccagaacg ccggccagac ccagctacca ttgaaggctg tgctcagcta   1260
aagcccaata actaccttct cgcctggcac acaccgttca atgaaaaagg ctcagggttt   1320
ggag                                                               1324
```

<210> 8858
<211> 723
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (213)...(528)
<223> similar to gi545998 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8858

```
tttcgtggct tgggtctggc ttgttcccct ccggctcgaa ccacctcttc tctgagccga     60
gccagctacc ggggctcctg gaattgccac ccctccctgg gcacccttga ggcctccgtg    120
gagggacgtc acggggcaga gcgggacgtg agcctgagtt tgctgcaggc gtgctctgtg    180
tggtggctgg gttctgccaa tccccgtgcc caccgggtgg gcgcggccgg gaagctcctg    240
cccctccctg ctggtcggcg tcacgcgtga cgtccgcgt gatggctggg agggcccggc    300
ggcgacagcg gaggcagaga ggaaggcggt tctgagagct tcagagagct atggaaagca    360
aaatgggtga attgcctttta gacatcaaca tccaggaacc tcgctgggac caaagtactt    420
tcctgggcag agcccggcac tttttcactg ttactgatcc tcgaaatctg ctgctgtccg    480
gggcacagct ggaagcttct cggaacatcg tgcagaacta caggtgacca cccctcaatc    540
tgaccctgtg tgccaggatc tcattttctg tgattaatat aatatgtttt gtacctgcct    600
cctcaagctt gacagtgacc ctgtccctca atcccctcac tctctagccc cgtctgttgg    660
catcacagag ctttaaccca aaggatttta gggcatttgg gttgagaaga tggcattgat    720
att                                                                 723
```

```
<210> 8859
<211> 519
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (234)...(517)
<223> similar to gi2315665 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




<400> 8859
cccacgcgtc cggagcactt tatttttttt caagttattt tttgcattgt tttggagtag      60
cttcgaataa taaacacata tttctgcttt aaatttttaa tagttaacta cattcatggg     120
acaaccaaag caagaaagcc tcatgttttg ggggaaagtt tgatatcagc aatgtccaga     180
caagagccaa agatgtttgt cttgctctat gttacaagtt ttgccatttg tgccagtgga     240
caaccccggg gtaatcagtt gaaaggagag aactactccc ccaggtatat ctgcagcatt     300
cctggcttgc ctggacctcc agggcccccт ggagcaaatg gttcccctgg gccccatggt     360
cgcatcggcc ttccaggaag agatggtaga gacggcagga aaggagagaa aggtgaaaag     420
ggaactgcag gtttgagagg taagactgga ccgctaggtc ttgccggtga gaaaggggac     480
caaggagaga ctgggaagaa aggacccata ggaccagag                           519




<210> 8860
<211> 641
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (353)...(644)
<223> similar to gi1698455 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




<400> 8860
atttcttttt cttgtctaat tgctctctct tgatagtact tccagtacta tgttgaatag      60
aagtggtggg agtgggtaat aactgatttt taaatgtaca aacatctgaa aaggacacct     120
caccaaagaa gatatacata tggaaaatag gcatatgaaa agaagctcaa ggtgatatga     180
gttgtcttcc aaaaggtaat gaaaaatgca tattatgaaa aaattatgga gtccaaattt     240
tttataccaa aataagctca tactaacttg ttataacatg cctgaacagg atgtagtttg     300
aggcactaaa aaggtaagac gtaagtttga aaagagcacc tgtcagagca acataaattc     360
tactaaaatt gaagcaaaac caaacatcaa atttagtgtg aagcttgggt ggaagaatgg     420
taaaatcatt gatgctttat gagaagttta tggggatgat tctccaaaag aaatcagcag     480
tttgcaaaca gataactcat tttaagaagg gatgagatga tgctgaagat gaagcacata     540
gcagcaagcc ttccacatcg tttgaaaaaa aaattgaaaa aaattatgtc catgccttaa     600
```

<210> 8861
<211> 2025
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1086)...(2025)
<223> similar to gi1196432 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8861
tttttttttt tttgaagaat tcaagttagt tttattcaaa ggtcttactg agaatcctag   60
acccaggtcc cagcccggga gcagccttag agagctcctg tttgactgcc cggctcagtg   120
tctcggccca ctgcttggtt acggggggccg gggctcagga cctgcacagt cacatccatc   180
cagactggct ccgaagttac attacagcag aatcaacatc aagggtttgg gcataagagc   240
acttctggtt acagattaca gaaggcataa tcgctaacct tgggccaaca ttttctcatg   300
tgcacgaaaa acccaaggga ccagggtcct tcacctttta aaggaataca agttgactca   360
ggcaaaaaga cgcggggccg tgtgttcttt cctgttttgt tttcaaagcg tctctctgga   420
gagctgcagt gtcacagagt aagggcccac agaaatgagc acacacttag gtttgctgct   480
gacacgccct gcctctcctc atgtggttca tgtggccatc agccgggggct gaagacccct   540
ggcacacacc tgcaccccaa acggactaca ggtgccgctt tcatttcaac tctcacccat   600
ttagggttcg gagccccaca cccacttaac cccaagccca gtggcaaagc ttcctgagag   660
gcccggaacc gccagccatg agttctacac caccccact gtcctcctga aaccctgctc   720
ccccaaagac aggccttact gaggacttgg tggggtgctg gtcaggaact gcccggtctt   780
tggggagggg gtgctggctg tccgcctggg gagagcctgg gaaaggcatg caggcagatg   840
tggttggagc tccgactctc tgactcttgg gcttaggtga gtcctcagca ggtgccctgc   900
actcctggtc cccttttccca gccagatcac tgctcagcat ctgcagagtc aaggaggact   960
ctcccaaaac catgcacggc cagatggccc aagttaaaag aagatgccag tgactaaaag   1020
caggagtgaa ggcagggacg ttctcagaga cctcacacac atcaataaaa tcccgtgaac   1080
gacggtatgc caacagatga dataacatgg acgaaacgga aaaactccaa gaaacacaca   1140
agctagcaac tgactcaagg atggacaatc cgaacgatct ataacaaata catagattga   1200
atcgaatcaa aatcctccca aagacccaag accagatagg cttactggca aattctacca   1260
aaggttctag caagaattaa caccaatctc tctcttccaa aaaaaacgga ggagagaaca   1320
tttcctaacc caatctatga ggctaatatt atcctgatat caaaaccaaa ggaagacatc   1380
ataagaaaac accagaccaa tatcccttat aaatacagat gtaaaaatcc gcaccaaaat   1440
acaagcaaat cacattcagc agcagagtaa atggattata caccatgacc gagttagatg   1500
tattccacaa atggaaactg gctcaacata tgaaaatcaa tcaatgtaac acctcatatt   1560
aacagaagaa cacaggatct tttcaataga ggccagaaaa gcatttgaca aaatccagta   1620
ccctttaagg ataaaaacac ttaacaaatt aggactagaa gggaccgtct tcagctggat   1680
gaagagcatc cttgaaaatc taacagctca catcacatct agtggtgaaa gactgcaaac   1740
gttcccttaa gatcaggaac aagacaagga cgtgtgctct caccaccacg ttcgatcagg   1800
aacgacacga ggacgtgtgc tctcaccacc gcgttcgatc aggaacgaga cgaggacgtg   1860
tgctctcacc accgcgttcg atcaggaacg agacgaggac gtgtgctctc accaccgcgt   1920
tcgattcagg aacgagacga gggacggttc cgctctcacc accgcgttcg atcaggaatg   1980
agacgaggac gtgtgctctc accaccacgt tcaacaaagt gctga   2025

<210> 8862
<211> 1816
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1572)...(10)
<223> similar to gi159714 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8862
taccgagctt ggacgaagga gaggcggagg ctcaggccat ggtgctggag atgtttcgag   60
aggaggacta ctacaacgat gatgttctgg accagatggg cgccagtatc ctgggcgtgg   120
agggcccccg gcgccaccca gatgagcccc ctgaggatga agtcttcgag ctcttcccca   180
tgttcatggg ggggcttctc tctgcccaca accgagctgt gctagctcag cttggctgcc   240
ccatcaagaa cctggatgcc ctggagaatg cccaggccat caagaagaag ctgggcaagc   300
tgggccggca ggtgctgccc ccatcagagc tccttgacca cctcttcttc cactatgagt   360
tccagaacca gcgcttctcc gctgaggtgc tcagctccct gcgtcagctc aacctggcag   420
gtgtgcgcat gacaccagtc aagtgcacag tggtggcagc tgtgctgggc agcggaaggc   480
atgccctgga tgaggtgaac ttggcctcct gccagctaga tcctgctggg ctgcgcacac   540
tcctgcctgt cttcctgcgt gcccggaagc tgggcttgca actcaacagc ctgggccctg   600
aggcctgcaa ggacctccga gacctgttgc tgcatgacca gtgccaaatt accacactgc   660
ggctgtccaa caacccgctg acggaggcag gtgttgccgt gctaatggag gggctggcag   720
gaaacacctc agtgacgcac ctgtccctgc tgcacacggg ccttggggac gaaggcctgg   780
agctgctggc tgcccagctg gaccgcaacc ggcagctgca ggagctgaac gtggcgtaca   840
acggtgctgg tgacacagcg gccctggccc tggccagagc tgcccgggag cacccttccc   900
tggaactgct acacctctac ttcaatgagc tgagctcaga gggccgccag gtcttgcgag   960
acttgggggg tgctgctgaa ggtggtgccc gggtggtggt gtcactgaca gaggggacgg   1020
cggtgtcaga atactggtca gtgatcctca gtgaagtcca gcggaacctc aatagctggg   1080
atcgggcccg ggttcagcga caccttgagc tcctactgcg ggatctggaa gatagccggg   1140
gtgccaccct taatccttgg cgcaaggccc agctgctgcg agtggagggc gaggtcaggg   1200
ccctcctgga gcagctggga agctctggaa gctgagacac tggcggcagg cacctagcta   1260
tgtgaccact ggccctaaac cttttccctc tgtggcctcc tggcttgcac tgctccctct   1320
agaaagattc cttcaggtct ggaggcagag gaatgggcat agctgagcca gttgccctcc   1380
tagggcatgt ttgaccagga ctgagtctgg aatctccaag ttaaagatgg tgaatcaatg   1440
cttcgggctt ggagatggaa catgcctcct ctccattcag ctagaaggac caaagcatgt   1500
ggcatttgga tggccagagt gccctgaagc accactacca accttgcctc cccctcctct   1560
caaagagcct ctgattgtgt caccaagggg ctcacatctt atgtctgcca tgccaggggt   1620
gtcgccatcc agatgtgttg gaagcttccc ctcctgcctt atgctcacct gtggacaccg   1680
aggatgccct cacattggtg ctttctcctc atcctcatgc ccccttttgcc acaatggtat   1740
gatggcttgg tagcccctcg aggcagatgc acctgacttg ctgctattaa aaagccgtgt   1800
gccttcaaaa aaaaaa   1816

<210> 8863
<211> 2044
<212> DNA

<210> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(2045)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (156)...(2044)
<223> similar to gi4140326 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8863
```
cccacgcgtc cgcactgtgg tcctgaactg aagagctgtg tttttcagga agacttggcc     60
aggccgtgtt ccgtgtctct ggattcaagt cccaggagtc ctgaccagag agcaggcatc    120
agtgtttttc tgaccgaagt tctcatttcc tgacaatgga aatggaacaa gaaaaaatga    180
ccatgaataa ggaattgagt ccagacgcgg ctgcttactg ctgctcggcc tgccacggcg    240
atgagacctg gagttacaac caccccatcc ggggccgggc caagtctcgc agcctgtctg    300
cctcgcccgc cctgggggagc accaaggagt tcaggaggac acgctctctt catggccat    360
gcccggtgac cacttttgga ccaaaggcct gtgtgctgca gaacccccag accatcatgc    420
acattcagga ccccgcgagc cagcggctga cgtggaacaa gtccccaaag agcgtccttg    480
tcatcaagaa gatgagagat gccagcctac tgcagccgtt caaggagctc tgcacgcacc    540
tcatggagga gaacatgatc gtgtatgtgg aaaagaaagt gctagaagac cctgccatcg    600
ccagcgatga aagctttggg gcagtgaaga agaaattctg tacctttcga gaagattatg    660
atgacatttc caatcagata gacttcatca tctgcctggg gggagacggg acgctgctgt    720
acgcttcctc gcttttccag ggcagcgtcc ctccggtcat ggccttccac ctgggctccc    780
tgggcttcct gacccccattc agctttgaga actttcagtc ccaagttact caggtgatag    840
agggtgagtt ggaatgttct ggagcccaca ggagctctga tcatggcgct gctgtctcgc    900
ttgcttgcgg ggggtttatt ttcatttaat gatgcatgga gcaacattta aaggtttcaa    960
gattcaggga tttctaaatc ttgagtggtt caaacctttt actgacactg agaagtttca   1020
gcagatcaca ggttgaagct gccatgtgtg ttgggcagaa gtgagctgat tctcactctc   1080
agaaggcaca gaagtgtcgg ccgggcgcgg tggctcacgc ctgtcatccc agcactgtgg   1140
gaggtcgagg cgggcggatc acgaggtcaa gagatgagac catcctggcc aacacggtga   1200
aaccccgtct ctactaaaaa tacaaaaatt agctgggcgt ggtggtgcgc acccgtagtt   1260
ccagctactt gggaggctga ggcaggagaa tcacttgaac ctgggaggca gaggttgcag   1320
tgagccaaga tcacaccact gcattccagc ctgggtgaca gagtgagact ccatctcaaa   1380
ataaaaagaa aaaggcacag aagtgtgtca acttgggaga agaaagagcc ctctgactcc   1440
cactggcctc cctggggtgg ggccctgac cccacttgac ttccctgatg gcattgccct   1500
cttgacttcc tggctgggac cttcaggaa cgcaagctgt tgtttcttcc gggagttcgg   1560
cttgaaggtt cagggtggtt gaagggagct ccggggggga aggaaggacg ggccgttgca   1620
caatgggctg ggtgagaacg gcgtcgcagg ctgcaggcct ggaacaatgg atgtcgggaa   1680
gcaggccatg cagtaccagg tcctgaatga ggtggtgatt gacagaggcc cctcctccta   1740
cctgtccaat gtggatgtct acctggacgg acacctcatc accacggtgc agggcgacgg   1800
taaggcccgc agcacttgtc ctgggggccc tgagcgttcc tcgggcggga gtgacgcctg   1860
cgcctgtccc tgtcaggagt gatcgtgtcc accccgacgg cagcacggcg tatncggccg   1920
cggcgnggcc tccatgattc accccaacgt gccggcaatc atgatcacgc ccatctgccc   1980
ccaatcgctg tcntttcggg cccatcgtgg ttccccgagg ttcgaagctn aagatnattg   2040
ctgg                                                                2044
```

<210> 8864
<211> 2139
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (315)...(1731)
<223> similar to gi3004653 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters

<400> 8864
```
gagaaggaaa cccaggctcg gagaaggggc ggttcctgct aaagattgca cagccaatgg     60
agggcagagc agaattggga cccaaggctg ggggcccccca gttggaagct ccctccagca    120
agctggcct gacacctgga gccccagctg ccagcctggg aggggctggg acccaatctc      180
ccccaagatt aggccgggga tgtctcccac cttcactctg acatcccaga ccccgacccc     240
ccagccacgc aggaagggggg atctgagtgt ggaacacacg ggtgccctcg gaggtctgat    300
gtcacccct tccccaggcc ttgttgctgg tggcggcctt ggcgggcctg ggcttgggcc      360
tgagcctcat tttcatcgct gtctacctca tccgcttctg ctgctgccgg ccccccgagc     420
ccccgggtc caagatcccc tcgcccgggg gaggctgcgt cacctggagc tgcattgtcg      480
cccttctcgc cggctgcact ggcattggca tcggtttcta tggcaacagt gagaccagtg     540
atggggtgtc ccagctcagc tctgcgctgc tgcacgccaa ccacacactc agcaccattg     600
accacctggt gttggagacg gtggagaggc tgggcgaggc ggtgaggaca gagctgacca    660
ccctggagga ggtgctcgag ccgcgcacgg agctggtggc tgccgcccga ggggctcgac    720
ggcaggcgga ggctgcggcc cagcagctgc aggggctggc cttctggcag ggagtgcccc    780
tgagccccct gcaggtggct gaaaatgtgt cctttgtgga ggagtacagg tggctggcct    840
acgtcctcct gctgctcctg gagctgctgg tctgcctctt caccctcctg ggcctggcga    900
agcagagcaa gtggctggtg atcgtgatga cagtcatgag tctcctggtt ctcgtcctga    960
gctggggctc catgggcctg gaggcagcca cggccgtggg cctcagtgac ttctgctcca   1020
atccagaccc ttatgttctg aacctgaccc aggaggagac agggctcagc tcagacatcc   1080
tgagctatta tctcctctgc aaccgggccg tctccaaccc cttccaacag aggctgactc   1140
tgtcccagcg agctctggcc aacatccact cccagctgct gggcctggag cgagaagctg   1200
tgcctcagtt ccccttcagcg cagaagcctc tgctgtcctt ggaggagact ctgaatgtga   1260
cagaaggaaa tttccaccag ttggtggcac tgctacactg ccgcagcctg cacaaggact   1320
atggtgcagc cctgcggggc ctgtgcgaag acgccctgga aggcctgctc ttcctgctgc   1380
tcttctccct gctgtctgca ggagcgctgg ccactgccct ctgcagcctg ccccgagcct   1440
gggccctctt cccacccagt gacgactacg atgacacaga cgatgacgac cctttcaacc   1500
ctcagcagga atccaagcgc tttgtgcagt ggcagtcgtc tatctgagcc cctcctcccg   1560
gctggactgg agcctggctc ccctcttcgt tccttccctg gctgccggag gagaccccac   1620
taacccagcc tgcctgggct ctgaccacta acactcttgg ccatggacag cctgcacagg   1680
accgcctccc tgctcttggc cactgtgctc ccatttctgt ccttggcctt gggagtagct   1740
gaggggggcag actagggagt agggctggca ggggagggggg cagacagcct cgcctcgcac   1800
ccttcatccc tggctgccgg tcccatcctt ggagggacta agctggggt ggggggacatg   1860
agtcccctg ctgcccctgc cacatccag tgggctctga cccctgatc tcaactcgtg        1920
gcactaactt ggaaaagggt tgatttaaaa taaaagggaa gactatttta caagcagctg   1980
ggtcctcctt atttctcctc tcccttgatt cggcctcctg gccagggctg ggacatcctc   2040
cctgctgtcc tctctccccc ggcctcccag ctgccaggaa tttctgcgcc tgtccaggct   2100
cagcaagggg tccaaagaca ttgttctttta aaaaaaaaa               2139
```


<210> 8865

<211> 481
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (421)...(483)
<223> similar to gi3043632 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

        <400> 8865
gcccgacgtt gcatgctgcc gggcgccatg gacgcgggat tttcccgggt cgacgatttc   60
gtggcttctc cagtcgcgtc tttctcactc actggggagc ccggcggtgg cggcaccttt   120
cgaggtagac ccgctgagct gctagcccgc cggccagcga gtgagaggtc ggacagactg   180
tggagccgac agactgaagg acagcggcac cgccagacgg ccagaaagtt ccgccatgag   240
ctggggcacg gagctgtggg atcagttcga cagcttagac aagcatacac aatggggaat   300
tgacttcttg gaaagatatg ccaaatttgt taaagagagg atagaaattg aacagaacta   360
tgcgaaacaa ttgagaaatc tggttaagaa gtactgcccc aaacgttcat ccaaagatga   420
agagccacgg tttacctcgt gtgtagcctt ttttaatatc cttaatgagt taaatgacta   480
t   481

        <210> 8866
        <211> 1047
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1036)...(930)
        <223> similar to gi2370202 in the genepept database release 114,
             Run with FASTXY 3.3t00, default parameters

        <400> 8866
tttttttttt ttcatttgta ggattgactt taataacacg cctctactga acaaatggcg   60
attaactggg gaaaacggaa ttatggtaac cgaggtaacg gggtcgggga ctctttctcc   120
ttcgctgcat gctgggtggc ggggagagac cgctctgagg aggtttggtc tgtcggccac   180
cccgtaggcc ggggggcatt ttgggtcctg gcaatatggc gtcctccttg atgggctgat   240
gagatgagtt tcactgtagc tccaaaccag agggcaaagc tcccatgacc caataagccc   300
acattgtccc tttcctccgt ggttccgtgt cgcccgtttc tcaggactcg ttctcaggca   360
ggagagagcc tcggggctga aggccaggac cagccaggcc gcgcggacct gaggttgagg   420
aaccgggtgc aggcgagcac gatgggccgg tcgtggctct ggttgcagca gctcagacga   480
gtgcgggacc cgcagggctg agagtggctg gaggagaccc agggcccttt gaacccgatc   540
ccttggccgg agacctcagc ccagtcggcc cagtgggcga accggcacca agagcggcct   600
gcctgtcttc ggaactgctg aggcggtgga ggccgagagc agggtcatcg tgaggcctga   660
agtctcttac gcttttggca gctcccctcg cagcccctct ggaaacgtac agcctcagga   720
gcagccagtg gcttgagacc tggggtggtg tgtgtctgcg gagcttcttg ggctgcccca   780
tttcctagcg gcccccacct ccccacttcc cgctcagagt tagagataag gatctcagac   840

7390

```
ttttgcctga gtaagggtct ccgcactctt tatccatttg gttttcgatt tcccgttttt        900
gtttcttatt tcaccaattc tgggacacgc tagttttaa ggctggaggt tctcgagcgc         960
ttgctgccaa ggactccccc acccctccc ccactgatgg agtccgaaat gctgcaatcg        1020
cctcttctgg gcctggggga ggaagat                                           1047
```

<210> 8867
<211> 1196
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (272)...(1196)
<223> similar to gi5689485 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8867

```
ccggccggat tcctgggcga catttccgca ctgggcgcgc gagagctgct agggcggttt         60
ctctgcctcg ggcctgttgg gcagggccgg ctaaggtgcg cgtgctcgct ggttctaacc        120
cttctgttgg gcgtttctgc ggagaggcgg gaggcgctga gagtctgtgc ggaggtccat        180
gcacagactg ctttgcctgt tgttgctctt cggaggcggc gatccccgaa ggcgagctga        240
aatacggctg caggctacaa tttgcagccg acgattaagg aagacgacga gcgggagagg        300
tggcccaccc tcatggagcg cttgtgctcg gatggcttcg catttcccca ttactacatt        360
aaaccgtatc atctgaagag gatccacaga gctgtcttac gtggtaatct ggagaaactg        420
aagtaccttc tgctcacgta ttatgacgcc aataagagag acaggaagga aaggactgcc        480
ctacatttgg cctgtgccac tggccaaccg gaaatggtac atctcctggt gtccagaaga        540
tgtgagctta acctctgcga ccgtgaagac aggacacctc tgatcaaggc tgtacaactg        600
aggcaggagg cttgtgcaac tcttctgctg caaaatggcg cccgatccaa atattacgga        660
tgtctttgga aggactgctc tgcactacgc tgtgtataat gaagatacat ccatgataga        720
aaaacttctt tcacatggta caaatattga agaatgcagc aaggtatagg tcaaccaatg        780
ttattttcaa actatctgaa atgcatttat tttaacattg acacatgtaa gggtcaattt        840
ttcatatttg gaagctcaaa cattccttga atgaaaatat tttgaaatgc cttaactgtc        900
taagatttta ctttaaatat tggaactttt aaagaagcat tatagggaac agccttttt         960
catgcactta tggtaaataa ctataaaaac aaatgaatta caataaattt ataattcatg       1020
acaactgaat ttgggaaagg taatagttaa gtgttttcc cctaaattac ttttttcta        1080
atcagtgtga agtgacacag gaaagtaaaa ttgtcccta taaataggct ttattttaaa       1140
tgtcaaagaa aattaaagaa tttcccaata aatgtacatg ttgttgctgt tgaaaa          1196
```

<210> 8868
<211> 987
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (84)...(990)

<223> similar to gi3445181 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8868
tttcgtggcg gagcggaggg gaggccgtgc caggcagggc cggttcgtgc ggaaccgcca   60
tggccgagcc ggcttcggta actgtgacat ttgatgatgt ggccttatat ttttcggaac   120
aagagtggga gatcctggag aagtggcaga agcaaatgta taagcaagag atgaagacca   180
attacgagac ccttgattcc ctggggtatg cttttttccaa gccagatttg atcacatgga   240
tggaacaagg gagaatgcta ttaatcagcg aacagggatg cttagataaa acaagaagga   300
caactagccc tcctactgat gaacagttga acatgaagaa tactggaaag ttgctatgtt   360
ttgatgacga aggaactccc aggacaaaag aagaggattg ccgtttaaat ggtcctcaaa   420
aacaggactt gtgtgctgcc ttacgaggga aagagagaaa gattttatta gctcaaacag   480
ccaccttcca gtctccaagt ctccgagaaa cagagattct aaataaaaaa gtcagcatca   540
cagcatatga tccagacaag aaagacctgc ggcataagcc tcgggagacc ccagggcgct   600
tagaaattcc cacagggcca agatgctatt cctgctatgt ctgtaggaaa gtcttccaag   660
taaggaggga tttgctaaag cacaaacgga gccactccaa gagccagctc tgcagatacc   720
caaagtacaa aaactcgtcc agagggaagt ccgaactcag gcggacgcag aggctcctgt   780
gtcagaagaa gcggttccag tgcagtgagt gtgagaagag ctacttcctg aagggcagcc   840
tcgtcactca tcaggttgtc cacaccggcc agcggcccta cccatgccct gagtgcgaca   900
agaccttccg gtacagggcc aacctgaaga agcacctgtg tctacaccgc ggggagcggc   960
cgttctgctg cggggagtgc ggccggg   987

<210> 8869
<211> 548
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (115)...(551)
<223> similar to gi5478765 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8869
cggacgcctt gcccccgctt cctttcacgc tgtcgctgcc cgtaggtggt tgtggccact   60
gtgcccggag ggaggcggcg gtggccagta atgcctggga aactcctctg gggggacatt   120
atggagctgg aagcacccct ggaggagtcc gagagccaga agaaggagag gcaaaagagt   180
gacagaagga agtcaaggca ccattatgac tcggatgaga aatcataaac aagagaaaat   240
ggtgttacag atgacctgga tgctcccaag gccaaaaaat ctaaaatgaa agagaagcta   300
aatggagaca ctgaagaagg attttaatag actttcagat gaattctcca aatctcataa   360
agtcaagaag aaaagatcta ccaaatggag atattagatg aatattgaaa aaaattcaaa   420
gccgagtatc atctttagat acttctactc ataaatcaag tgataataaa ctagaggaga   480
ccttaacacg tgaacagaaa gaaggagcct tctccaattt tcctatttct gaagagacta   540
taaagctt   548

```
<210> 8870
<211> 829
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (142)...(595)
<223> similar to gi1136434 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters



     <400> 8870
ggtccctttt tttctgcctt tttgtttccc tccggcgggt cggcgcgagg gtgaatttcc      60
gtttgcggcg gtgtccaagc ggacctaagg agtcgcagtt gtgaacaggt tagagttact     120
tgttattggt aaatagccac tatggagact aaggaccaga agaaacacag aaagaaaaac     180
ggtggaccca aagctgcaaa gaaaaagaag tggcatctgc aggatctcca gctaggagac     240
taagaaaatg cccagaagag aaatgccaat gcttttgcag ttcagtctgc tgtgtggatg     300
tctcgatcct ttcacaggac tctggatttg aagacacaaa agcatcatat tccagtggtt     360
gatggaactc cactagagcc gccaccaata ccggtagtgg tgacggggcc tccaaagttg     420
gaaagagcac tttgatataa tgcctcattc ggaacttcac ctggcagaag ttcaccgaga     480
tcagaggccc tgtgacgatc gtgtcaggta aaaagcgcag actcaccatt attgaatgtg     540
ggtgtgacat taacatgatg attgatctgg ctaaagtagc agatctggta agtgagcagg     600
ggcagcctgg ggtgctgatg gagacttaca gcattgtggt aggttattta ccccgtgatg     660
aagggaagag agtttttgtga ttattaaaag gatcatggtc attatcaggg atatagtaga     720
tgtgattgaa ttgatgatga taataatatt agtaataaat gttgtcatat taataataca     780
aatggaatgt gcacaaaaaa atgtgttcca aaatctaaca gcatgtatt                 829



     <210> 8871
     <211> 1932
     <212> DNA
     <213> Homo sapiens

     <220>
     <221> misc_feature
     <222> (306)...(1066)
     <223> similar to gi4836950 in the genepept database release 114,
          Run with FASTXY 3.3t00, default parameters



     <400> 8871
gtaggacagc ccctgacgcc attcccttтt gcccttcttt ctgcgggcct ttccggtact      60
tgagcggtgt ccagagcgtg gccagttctc gtctatctgg ctgcctttag ggagcggtgc     120
ctagcgttgg ccaatagttg gctgtcgaaa gtgccggccc ccgcgccggc gcctgcagca     180
gccgggtggg aaggctcaag atggcgtgct tgttggagac cccaatccgc atgagcgtcc     240
tttcggacca ggaatgaaag ttactgggag ataacttcga aggattttgc aacaaattcg     300
agctgtccga ctctgagaat ggaagtaaca gctagcagtc gccactatgt tgacaggcta     360
```

```
tttgaccctg atccccagaa agttctacaa ggtgtcatag acatgaaaaa tgctgtaatt      420
ggaaacaaca agcagaaagc caatctcatt gttttaggag ctgttccaag attgttgtac      480
ttgcttcagc aagaaacctc aagcacagag ctgaaaactg aatgtgcagt ggtgttggga      540
agtcttgcta tgggtactga aaacaatgtc aagtctctac tggactgcca tattatccct      600
gccttattgc aaggactact gtccccagac ctgaagttta ttgaagcttg cctccgatgc      660
ctgcgtacca tcttcaccag tcctgtcact ccagaggagc tactgtatac agatgccaca      720
gtgataccac acctcatggc actgcttagc aggtcccgct atacccagga gtacatctgt      780
cagatcttct cacactgctg taaagggcca gatcatcaaa caattttatt taaccacggt      840
gcagttcaga atattgctca cctactaacc tcactgtcct acaaagttcg aatgcaagca      900
ctgaaatgtt tctcagtttt agcttttgaa aaccccagg tatcgatgac cctggtaaat      960
gttttggttg atggagaatt gttaccacag attttttgtga agatgttaca gagggataag     1020
cctattgaga tgcagctcac atcagcaaaa tgtttaactt acatgtgtag agctggagca     1080
attcggacag atgataactg tattgtatta aagacattac cttgtttggt tcgaatgtgc     1140
agtaaggaga gattactaga ggagagagtt gaaggagctg agacacttgc ctatctgatt     1200
gaaccagatg ttgagctaca gagaatcgct agcataactg atcacctcat tgccatgctt     1260
gctgattatt tcaagtatcc cagctcagtg agtgccatca ctgatattaa aaggcttgat     1320
catgatttaa aacatgctca cgaactccgc caggctgcat tcaagctcta tgcctctctt     1380
ggagcaaatg atgaagacat ccggaagaag gtgagtctgg gagaggggcg tcccccagtc     1440
ctgacagcca gcaggcaggg agtgacgtca acctgaaagt cgtggtgaag agcactaaca     1500
gtgactgttt gaatataata aagcagagtg actaaaggca taattgaaga atgaatggga     1560
cccggatttg ggggttgtt tgtttgtttt tagaacatag agtggcatgg ccgtgctgga     1620
atgacaaata actggcgtgc ttttttttg tgtcattaat atgaattatt atgttgcaca     1680
tttttgcatg tgttctgata aaaatcaatt ctagcactgt gaagcttcag acaccttgaa     1740
agtcctaaca ttaaaattgt aaatgttatt tatggaaata ccttccaatg ctattgagaa     1800
attcaaatct ctattgtata ttgttctttg atatgtggct tagttttatg ttttgatttt     1860
ttttgctact gggcaagttt aatgtgaata aaatctttgt ggaatgatga ttttatgttt     1920
aaaaaaaaaa aa                                                         1932
```


<210> 8872
<211> 1118
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (738)...(1102)
<223> similar to gi1255433 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8872
```
tttttttttt ttggctttttg attttgtttg ttttttttgtt tcatttggta gttcatctgc       60
cttttaaccc attcaccaaa atttaccttg ttaacaagca tcaccaatga acatttcaga      120
gcaatctgca tatttaacag acctaaaata aatcctatta ggcaagtcag ttgaaaatgc      180
tcgtgctgct aatggaatta gagtgcgttc attttacagg ctagtatttt aaaagtagaa      240
atcaaaatct ggcaccgaag catgctaatt gtttactgta ccttgtgagg ttttcactca      300
taaatttaaa ccagtgtatt tttttagaac tggtttgtgt atatatatag tgattatgga      360
tactaattca atgtaattta taattttcta tgtcaataca aaaatacatc acagccttct      420
caaacagctc aagcaatata ttgtatattg ccatatcgtc tggtgaaagg gttaaattac      480
ttcacctctt gcacttttag atgcaaatca gtttttcatt tctgtaatag aaaattattc      540
acgtattttt acatcatttg ttttttcctga ccagtattta aaaccaaaag gatattctga      600
```

```
aaaatggcca acaatttttt tagaagtagc atcccaagca gcgtgcctaa acattacatt    660
gcatatggaa ataaaagaat caaacgtcta atgccttatt tctgatttcc tttttcattt    720
taagtggtgt ggagattcca gcactcccag gacagtggag tcagcagtaa gccctgggac    780
aggtggcaag ggtgggtccc ttgacctttg cacgccttct caggaacccc ctttcccggg    840
tgagcccctc tctgaagaga ctgtccttgg gcctcctctg gaagcagcac ccccagagga    900
cagggctcct cctgcttgcc tcagggctgc ctgacttgaa tggcgttgga cctcggggat    960
tactggtaga taatatgctc tggtctcgcc tggtggtgag ttttgccagc catggccagg   1020
gtttggctcc actggtggca cacgtggcct ccgtggtatg gacctggtgg cttctccatc   1080
ccactgtggc ctctgtggta tggacctggt ggcttccg                          1118
```

<210> 8873
<211> 437
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (424)...(427)
<223> similar to gi1334398 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8873
```
tttttttagtt agattatctt attttttattt tattattttta tttttgctag taagatgtag     60
gagtttctta cacatttttgg aaatttacca attattaaat atatgatttg caaatgttgg    120
tttctatttc ctaggttgcc ttttcattct gttgtttgct atgcagacag tttttagttt    180
gatgtatttc tacttgtata tatattttttt tggctgcctg ttctttctgt ataattccaa    240
gaaatcattg taaagaccaa tgccacaaag ctattccttc tgtttcttct aagagtttta    300
cattttcagg gcttatgtt aagccttttt ttaaatttta atacaatttt agttgatttt    360
tctgtatgct ttaaggcaca tgtccaattt ctttctttgc tttctttctt ttgttccttt    420
cttttttctct ctatctc                                                 437
```

<210> 8874
<211> 979
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (209)...(962)
<223> similar to gi3877201 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8874
```
```

```
accgggtcga cgatttcgtc gtttgtgccc ggggtaaccc cgttccggcc aagccgcttc        60
agcggggggac gtagccatga aggaagagaa ggagcacagg cctaaggaga agcgagtaac       120
cctgttaacc cccgccgggg ccacgggcag cggtggtggg acctcggggg acagctccaa       180
gggggaagat aagcaggatc gcaacaagga gaagaaagaa gcgctgagca aggtggtaat       240
tcgaagatta cctcccactt tgaccaagga gcagcttcag gaacatcttc aacctatgcc       300
tgagcatgat tattttgagt ttttttctaa tgatacgagt ttgtatcctc atatgtatgc       360
cagagcatac atcaacttta aaaaccaaga ggacattatt ttgttcaggg atcgctttga       420
tggttatgta ttccttgaca ataaaggtca ggaatatccc gctatagtag aatttgcacc       480
ttttcaaaaa gctgcaaaaa agaagactaa gaaaagagat accaaagtcg ggactatcga       540
tgatgatcca gaatatagaa agtttttgga aagttatgcc acagataatg agaaaatgac       600
atctactcca gagacactgc tagaggaaat agaagcaaaa aatagagaat taatagctaa       660
aaagacaacc ccacttttga gcttcctgaa aaacaagcag agaatgagag aagaaaagag       720
agaagaaagg aggaggagag aaatagaaag aaaaagacaa agagaagaag agaggaggaa       780
atggaaagaa gaagagaaac gaaaaaggaa agatatagaa aagctaaaga agatagacag       840
aattccagaa agggacaaat taaaggatga accaaagatt aagctgctca agaagccaga       900
aaaaggagat gaaaaagaat tggacaaaag agaaaaagcc aagaaattgg acaaagagaa       960
tctcagtgat gaaagagcc                                                    979
```

```
        <210> 8875
        <211> 1100
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (163)...(761)
        <223> similar to gi3287681 in the genepept database release 114,
             Run with FASTXY 3.3t00, default parameters



        <400> 8875
aaaaagcgcc ggcaattggg gtcgcagctg gagatgctgc ggccggcagg gctctggcgc        60
ttatgtcggc gaccttgggc ggcgagggtc ccagcggaga atcttggccg tagggaagtc       120
acctctggtg tctctccccg cggtagcacc tcgcccagaa ccctgaatat tttcgaccgg       180
gatttgaaaa ggaaacagaa gaactgggca gcccggcagc ccgagccgac caaatttgac       240
tacctgaagg aggaggttgg aagtcggatc gcagaccgtg tatatgacat acccagaaat       300
ttccccccttg ctttggatct tggttgtgga agaggttaca ttgcacaata tttgaataag       360
cttcagttat tccattgcag gaaactattg gaaagttttt ccaagctgac attgcagaaa       420
atgctttgaa aaattcctca gaaacagaaa tacctactgt cagcgtttta gctgatgaag       480
aattccttcc cttcaaagaa aatacatttg acctggtggt tagcagttta agtttgcatt       540
gggtgaatga ccttcctaga gcacttgagc agattcatta tatttaaaa ccagatggag       600
tgtttatcgg tgcaatgttt ggaggcgaca cactttatga acttcggtgt tccttacagt       660
tagcggaaac ggaaagggaa ggaggatttt ctccacacat ttctcctttc actgctgtca       720
atgacctggg acatctgctt gggagagctg gctttaatac tctgactgtg ggaaaagctc       780
tgattgacaa tgtttagttt gtataacaca tcttaattga cacaagaagc aaggggcatg       840
ggcaagcagg gcccctgatg ttggaaagga gcctccaggg agggaagaat taacaggctg       900
gaggactagg ctgggaactg aaaagaaccc cggaggcttc acacctgtga ctagtgttga       960
tcttttgtta actttttaaat ggcctgagtc catagaaact gcatcctgag aggttgctcg      1020
gctagaaagc ggaaaaccgc ttcacatgag tgctctactt tgtaatgaaa ataaacacta      1080
ttaatacagg caattgtaaa                                                  1100
```

<210> 8876
<211> 2300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1129)...(1591)
<223> similar to gi3063699 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8876

```
tttttttttgg tggtcactta agattttttcc agacaacaac gtgcgtcatt tttgcctttg      60
agatgtgttt ctttctgcct ccattccagc cacagtccca tcctggcagt gagcaaatcc     120
cacacgcagt tctagcagga cgctgaggct cagctgcaac atggggcagc caggaagatg     180
cctgaggagg tgccaggcac acaggaggca ctgggacaga ctcgggccgg ggttgcaggc     240
tgcagcaacg cccacccctc tacttccagg cacagcccct ccgtctcaca ggacagagac     300
agggccggct cagcggctgg tacacactgc tttatttgtt ctttttatta ttattttaa     360
gttcacctac agctgcagta cacacacacc gctttatttg gctagctgct attcagaaga     420
cacttcctga attcaggaaa aattttttta aaaacctgag aacaattcct gtgacttctt     480
agctttgatg aagtgcattt actttgacat tgatatagct tgtaactact tttggaattt     540
ttttttcccct aacactttga tctcattaag ggtattacac cttttccacc agaaaatgca     600
gaggtatcat ctttcttgga aaccaattga aagcgtccca ttttaacaaa atgacataaa     660
attacaaaca tttacatgtt taaattcaaa gcctgatcca tctggtggta agaaatgtta     720
acttattttta aaagatgtat ttgcattatt aaaatatagt aacgacttcc atctttacat     780
caaaagaaac gggcttgcat aagcaatggc tcccagctct ggggagggtt tgagccacgc     840
ccttgcgggg gccgctccaa gctctgactt caaaagttgg agtttcccag ctgcgaacag     900
ctggtcaaag gcactctcaa aagttcaagg aaatgcccgt ttgcggatgg ccgcagcagg     960
cctgtggggc tggggacagc gccaaggagc tggccgttgg ttcctgagat gctcctgctc    1020
tgccgtgttc taaggacctg cgagctggag ctcttctcgg gaaaaagaaa acgctgggga    1080
ggcctccgtg tgggcgggtc aagccagata accaggcttg tactggcttc agcagaagcc    1140
gcgctgtttc ctccttcccc ctctatctcc ttctttccct tctgtctcct ccttcccct    1200
ctgtcctgat gccctgcagg ctgctgggga ggagcctgcc gcctgcctcc tgcctcccta    1260
gaccgctgtt ctccccacag ctctcccccg gagctgtccc ccagcaggcc acacctgggc    1320
ccaggctcca gacctgcccg cccacacagg agtcccctct agccggagct ccgcccccctg    1380
ttcccagggc gtcctgggca ggtcagtttt cccatctgtc aaccaggaac attccaaggc    1440
tcttcctgcc tcactgctgt ggtttcccac cttccaccca ggcaggaaga gaatttaaaa    1500
gccccgcagg ccctggccag gatgcctgtg agagggagaa ctggaaagcc agtatcaggc    1560
agacctctc ccggttggac ctgggcgctg gctccccgca gggaaggcac tgctgtgcct    1620
ggggcagggg accagcagtg gcagcagttc cagattgtca gagctgggga gggcctccaa    1680
gagctgccag agctgatttt ccagagaggg aaactgaggc ccagagaggc agtgacgagc    1740
tctacctccc actgcaaggc agatcagagc tggggttctc gctcctcaaa gtgcagttgg    1800
ggcttcggag ctcgggcctg ggctgggagc tggttagacg tacagaacct caggccctgc    1860
aagtcaacag caccccccagg ctgctcatta gggagttaaa gttgagaagc actaagctga    1920
cccggccccc cctggagaga tgggcccgag actgagggaa cagcgcgggt gcaccttcca    1980
cagcagaacc ttccggaagt gttgtggcgc ggatgccagg aggggctcgc ttgtgtcacc    2040
tagtcctcgt gagccctccc cactgtggag agcgggcaac caagaggggc acgcatttca    2100
ggctccagaa gaactgggca ggctccccgc gttggggagg aggcgccggc ggcccaggcc    2160
cacgcacctg tgggtctaca cagctaatcg cccccaccag caaccatgac cgccagtggc    2220
tggcccaggt cagcgcggtc tgaaagtgga tttgaaaggg cagaattgaa taacgggagt    2280
```

```
<210> 8877
<211> 916
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (361)...(919)
<223> similar to gi5051782 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters


<400> 8877
cgaaaggggg ctggaaacag ggaaactgga gcttggtact aagctgcttg aggtttctca    60
gaaggggtat ggcccaggag gggtggggcc agaaacccct aaaccagaac tgaaatgtct   120
cactaagcag ctaggaaact ttatgtaagt taaacctctt tcccatccac ccactcacct   180
tcagtcccca aaaagtaaag gcacaaaaca tagcgtttgc ccacaggcca ccagttctct   240
ggggttgagg ggctgatcct attgcaaagt cctaagtcag tagctgaggg taggagacgg   300
ctgggagtgc agtcagggtt ctcccttccc aggtttgatg ggtccttctt ctggggtcag   360
gtaatgaaag tcttgcggca caagtacctc atcaacttct atcgggccat tgagagcaca   420
tctcgagtat acatcattct ggaactggct cagggtggtg atgtccttga atggatccag   480
cgctacgggg cctgctctga gccccttgct ggcaagtggt tctcccagct gaccctgggc   540
attgcctacc tgcacagcaa gagcatcgtg caccggtgag ggcgctgcca cccagactgg   600
ggcctttgcc ctcaaggggg ttttatgcac atctcccatt tcctgtcctt ttttcctctt   660
tcgaactccc tcctcaatat ctagcctatt catgcactct attttaatca tatggtcaag   720
gatactgata aagtactcac tgtatgcaaa gcattttatg aaatacaatg gtgagctccc   780
ggtggtcctc agataccatc ctctgtctct ctccctactt tgggctctgc tcacaactcc   840
atggctttcc ttcctctcta ccttgtgcca tcataatggt ttctacctcc cacttcctct   900
gtcctcatct ttaccc                                                   916


<210> 8878
<211> 1201
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (65)...(1049)
<223> similar to gi5689535 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters


<400> 8878
```

```
cccgtgtggt ggaattcggg gcggcggcgg cccctcgcag cagctggccg gcgggccccc        60
ccagcagttc gcgctctcca actccgcggc catccgggcc gagatccagc gcttcgagtc       120
cgtgcatccc aatatctacg ccatctacga cctgatcgag cgcatcgagg atttggcgct       180
gcagaaccag atccgggagc acgtcatctc catcgaggac tcgtttgtga acagccagga       240
gtggacgctg agccgctccg taccggagct taaagtgggc atagtgggga acctgtctag       300
cgggaagtca gccctggtgc accgctatct gacggggacc tatgtccagg aggagtcccc       360
tgaagggggg cggtttaaga aggagattgt ggtggatggc cagagttacc tgctgctgat       420
ccgagatgaa ggaggccccc ctgagctcca gtttgctgcc tgggtggatg cagtggtgtt       480
tgtgttcagc ctggaggatg aaatcagttt ccagacggtg tacaactact tcctgcgtct       540
ctgcagcttc cgcaacgcca gcgaggtgcc catggtgctt gtgggcacgc aggatgccat       600
cagcgctgcg aatccccggg ttatcgacga cagcagagcc cgcaagctct ccacagatct       660
gaagcggtgc acctactatg agacgtgcgc gacctacggg ctcaatgtgg agcgtgtctt       720
cccaggacgt gggtataatt gactctgctg tcccctgcag tggcccagaa ggtagtggcc       780
ttgcgaaaga agcagcaact ggccatcggg ccctgcaagt cactgcccaa ctcgcccagc       840
cactcggccg tgtccgccgc ctccatcccg gccgtgcaca tcaaccaggc cacgaatggc       900
ggcggcagcg ccttcagcga ctactcgtcc tcagtccccct ccacccccag catcagccag      960
cgggagctgc gcatcgagac catcgctgcc tcctccaccc ccacacccat ccgaaagcag     1020
tccaagcggc gctccaacat cttcacgata tgtgccactg tttccaactt ttcatcaaca     1080
aaaaggcctt tccaactcct tccaaattag aagaccagtt ggtgacacac agcacctctg     1140
gacatgcccc ctgtgcgggg ccggaggcgg gccgggccct gggactgctc tcagatgaga     1200
a                                                                     1201


          <210> 8879
          <211> 852
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (154)...(726)
          <223> similar to gi3046746 in the genepept database release 114,
              Run with FASTXY 3.3t00, default parameters




          <400> 8879
ccggctgaag cggccgggcg ccgattggtg tctttgagtc tagtctttgg tcggggctgt        60
ccaaaggacg ctagctgttg cacctgttcc tccctgcgcg taagatagag gataaatctc       120
ctggcaaagc ccagaatgac cacagccctg gaacctgagg accaaaaagg acttctgata       180
attaaggcag aggaccatta ctggggacag gattccagct cacaaaagtg cagtcctcac       240
aggagggaac tctatagaca acacttcagg aagctctgct atcaggatgc acctggaccc       300
cgtgaagctc ttacccagct gtgggagctc tgccgtcagt ggctgaggcc agaatgccac       360
accaaggagc agattttaga cctgctggtg ctagaacagt tcctgagcat tcttcctaaa       420
gacctgcaag catggggtgc gtggcacacc atccaaagac tggagaggag gcagtgacgg       480
tactggagga tctggagaga gagcttgatg aacctggaaa gcaggtgtga aggggcagtc       540
atctggctgt cccaggcaat tcagaaagac gggacatact catggacaag ttggccccct       600
tgggaaggcc atatgaatca ctgactgtcc agctccatcc caaaaagacc cagctggagc       660
aggaagctgg gaaaccacaa aggaatggta agcaggaaca gttctgagtg tatgagggca       720
gaggtacttc cttaggttag aggaaaactt tctcactttc atcttctcct tttaaagatt       780
tcctgcttgt cctccacctc actatggaca attttatcct cctcttaccc ttgctccatg       840
atggagttat at                                                          852
```

<210> 8880
<211> 1564
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1565)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (215)...(1153)
<223> similar to gi1931579 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8880
tttcgtgccg tcgccgccat ttcaagaccg tactaggtag atggtcaatt agagttccca   60
gggtttgaag cctgtaactg ctgccgccgc tcaagccctc cagagcattg ctacggctgc   120
tgcccttgta ctactacctc caaatacgtt cttgctggta gtggcggcag caggaccaat   180
tacctctttt ttgctctccc tcgagaagct ccagatggcg tcttccgtgg gcaacgtggc   240
cgacagcaca gaaccaacga aacgtatgct ttccttccaa gggttagctg agttggcaca   300
tcgagaatat caggcaggag attttgaggc agctgagaga cactgcatgc agctctggag   360
acaagagcca gacaatactg gtgtgctttt attactttca tctatacact tccagtgtcg   420
aaggctggac agatctgctc actttagcac tctggcaatt aaacagaacc cccttctggc   480
agaagcttat tcgaatttgg ggaatgtgta caaggaaaga gggcagttgc aggaggcaat   540
tgagcattat cgacatgcat tgcgtctcaa acctgatttc atcgatggtt atattaacct   600
ggcagccgcc ttggtagcag cgggtgacat ggaaggggca gtacaagctt acgtctctgc   660
tcttcagtac aatcctgatt tgtactgtgt tcgcagtgac ctggggaacc tgctcaaagc   720
cctgggtcgc ttggaagaag ccaaggtagg tgtttgatag aacacattta aacatcagta   780
ttatgaaaac ttgtactttt tgccaagtct tcaactcttc attgagctat cttcacaaaa   840
cagtcctatg aaactgagga aaactgacgg catgaatcgc ctcagactag agcagggcca   900
ggctttggca tatctgttct aaatctgggg gtaaagcaag aacctgaaca ttttggagcc   960
tttctgctga gctagaccat cttttataaca ctgggctccg tcatgatctt atgtgggaat   1020
aaataacatt ccttcaaatc tgaggcttgc ctgctggtga caagcagagc gcctgtgatt   1080
tggctcaaga ctcctatatg atgcaggtgc cattgaaaat gctgctcttc taagtccttt   1140
gtggcttgta agtggagaag aatttcatcc aaatgttacc ctgtaatact ggcatttaaa   1200
attcttattt aaccttcctc ccttcatctt cctcaccctt tttacagtgg aagaaaggct   1260
gttaaaatga ttacaaatta ataattggaa catcctgtcc cttgtcccca ctcccttccc   1320
aagttccttt ttcctctttt ccaatcctag ttgtctacct tcttttcttc ctcatttcct   1380
tcttttattc ctccccaccc caacccctta aaaaaaaggt cagaaggaca aagctggttt   1440
gtttgggaaa tggactgatc gaaagaaaac ttgccaaagt ggaaaggtgg cttttagcat   1500
tctgtgtttc caaataatga atttgaacga attccccgcg gtnnnnnagt gctatcaatc   1560
caat   1564

<210> 8881

<211> 651
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (308)...(532)
<223> similar to gi415891 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8881
tttttttttt tcgtatttct atttgtttta tttgctttct gtggtgtcaa atttggggtc   60
tcctagagcc ccagccccag gcagaaatcc ggcatatcct tctccgcctg gggggcccgg   120
gacacaggag tttcagaaaa ggcactggca aaagttctag ggcagggtc agggagaagc   180
caccactgag cctgggaggg accgggccct ccttcggcgg cagaaaacac agtcaccttt   240
gggcagggaa gggtttttc ctaagaaatg aaatttaaga caagataaaa acctgacgat   300
gttagaggag cccgccagaa cctaagccgg tgctcccctg gggcagggca ggagagtgaa   360
ctcggtttc caaaggcttc aggggggggt tttgcccggg cccttcagcc agggtttcag   420
attgccacag gccttggcaa gcagaaagcc taattcaaat ccctatgtgg aatctccttg   480
agacaaagtg tcacgacaca aaaccccccag gccccagacc ccacctctga atggcttggg   540
ccagacgctg gtctggatcg tcaggaccac ggccactacc cagtgaccaa ttcctgtccc   600
tttttgtgtt ctgtgagcac tggagaggca ggcacttctg tgggtaactg g   651

<210> 8882
<211> 561
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (473)...(563)
<223> similar to gi1869901 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8882
acagagcggc ggaattcaaa aagtagtgcg atgagcgccc tgttgagaga aagaactgca   60
aactggccat gcttatttt aagctggagc tccacaagtc ctactgtggg agccggacag   120
agctctggca aggctgtggc cagctcatca tgcaccgcat gctcgcccag cacagagctg   180
tctgtcggag tgaacaggcc cagctcggga aagaaaccag tcctgatcca ggaaaatgtc   240
tctccattac ggttgctgct gccctgagtg cacatctgtg gccataaagg aaatgatgtg   300
ggtgattcgg ccaagagttg cctgtgtggt caaggatgcc ggcagcgcag gaaagtcaag   360
accaggggaa agaatttcag ctcctgaaag ggaaatctac tgtcattatt gcaaccaaat   420
gattccagaa aataagtatt tccaccatat gggtaaatgt tgtccagact cagagtttaa   480
gaaacacttt cctgttggaa atccagaaat tcttccttca tctcttccaa gtcaagctgc   540
tgaaaatcaa acttccacga g   561

7401

<210> 8883
<211> 955
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (375)...(661)
<223> similar to gi5712087 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8883
ttttttttta agacagggtc ttgctttggg acccaggttg aagtgcagtg gcaagatcac   60
actcacggta accttgaact cttgtgctca gcctccgaag gtgctgggat tacaagtgtg   120
agccaccaca cccagccctt ttcttaggga tatggcagcc atcccctgtc ccccaagctc   180
ctacaggact ctctggagtc ctgtgattcc ccccatgccc acccttggcc ttgtcacccc   240
gctgtcccaa gagtggacag acttaccaga gggcgatgag tgaaaggagt tgaggttggg   300
cttgagatca ggcaagttgg gttatcttga cctcttggtt tggtgacatg taagggacgc   360
tgctgcttgg ggtcatgggt ggcgtggggt tccctggcag tggggaactg gggatagccc   420
gggattggaa cgggtaagct gtaagggttg aacacaaaca gtcaaggcag attgccaggg   480
tggatgggag tggagtctgt tcacggcgca tccactggga accatgataa cagaggtgga   540
catggaaggc gccccagggg tgcctgctcg gtcgccctct ctccatatgc ccaccctgtg   600
agcctcccgg cccatcctcc cggccaggcc ccctacccca ctcaggccag gttggctgta   660
gctgacgctg cccccgttga agctggcgcc ctgccgttg aactgctctg tgggctgcgg   720
gagagaaaac tgcatgcacc tggggctcca acctgacccc tgccgggccc cctggacctg   780
accctagaag cccaccatac acggtcttct ttacactctc ttgcattttc caaataatct   840
acaagtaaca ctacttaaag caatcatagc cacagaggaa aatgatcaaa caggttggag   900
gggctgaaaa gacaaaagca cgctaagccc tcctcctctc ctttctcctg cctcc   955

<210> 8884
<211> 2597
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1091)...(0)
<223> similar to gi3037018 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8884
ttttttttttt ttttgaatgt caaaaagggt ttattatatc atatatatat atgaaaatct   60
atgaaaccaa aagctctccc acaaaagatg atttaatgaa gacattcatt gttcttgaag   120
agaaatacaa atgatctttg aacaacacag gtttgaaatg ctaagtttca cttatatgca   180

```
aacttttttc aaccaaacac aaataaaaca tatggtattt gagggatgca aaaccctcaa    240
ataccaagga ccgacttttc atatggcata gggtcccatg atctggcagg ggcattggct    300
tgggattttg ggtatccacc aggggtcctg gaactagata ccaagggagg actgcactcg    360
gtattgtcgg tctctccaaa tcagtcctat aaatgttgtg caacccatat caaaacttca    420
agagatgtgc tcaccagcag ttaaccaatt tttatagaac atgaggaagg ctttacccaa    480
atctgagaac ataccaaagt aatgcatcat ttactaggaa tatggaagag ctcagtgaaa    540
gaatttaaca cataatgaaa cagcatttca aatcagacat atgagtggac ttttcaataa    600
atgaattttg aacagatatt ggaagcagcg ctgtttcact cttcagaaaa atcaattcta    660
aagatctaca tgttaactac tcacacagaa acatgtcgta gaggaaaata catgacgtga    720
aatgagcaca tgtaaacata ggaaaacata cactgtaaat gtcttagaaa ataatttgct    780
ttatatcctg aaataagtca tgaaaattaa tcaatttgat tgtatacaaa tataaaacat    840
ttatttaaac agacaccatg taaaattaaa gccaaatggc taagtaggag aaaacattgg    900
caacagacat aaaatacaga aaatacaaga gaactcctaa caaatccatg agataaaagg    960
acaaatcatt caatagaaaa atgagaggaa aaagaaaatt aacaaatgtt tatatgttct   1020
aaaataaaca tacaaaaata tgtccatctt cactagtgag aaatttctga tttaaaacca   1080
aaataatttt ttcagagtaa ttaaattaca aaaatccaat agcaagtgtc attaattaca   1140
tggggaagca gatgctcata tcttgctcag gggaactgta acttgataca gccattctgg   1200
aacccaaatg gaagtatctc ttcaaattaa aaatggttat actctggcct gaaattcaaa   1260
tcctaagcat ataccacaga gagagcctta tatgtacaaa aagggctcat gtaggatgat   1320
gttcctttca gcattgtttg taattataaa ggaataaaaa gaaggaaacc ttccttaagt   1380
gtctattata ggcaaagtac tgttggacag tgcacaagag attaggtaaa tgtgaatgta   1440
ccaaaataaa aaactcccaa gtagaaatag caagttgtac aataatatac atacacgtat   1500
gtaaaaatcg taactataca tttcctgtgg ctgtagataa tatatacaca ttcctacatt   1560
aaacactcat aaaaacactc taaaagaaga tctaggagag ttaaaactat tacttctaca   1620
gaggatattg ggactgaaga tggttttcaa aaagcacaca agcaaaatgt agtcatatat   1680
tacatgagta attaaaaaac tgaaagagtg tgcacagatt gatatatttt aaggaaaata   1740
tagataaaat tatattttct atttctttcc ctcccttgat ggaaacagta catgaaaggt   1800
tctagaagat tacctgccaa aatgatgtat actatctaaa tatatctctg gtaacaatac   1860
acttaagtct ttatgctcac tttaaaaaga gaagaaaatt cagttcatga tttctgtaag   1920
caatacaatt tcagttcaca gctcttatca ttttgtttta gttatttaca atctttacta   1980
ggtatagaat tatatattgg gattttgcca tattccaatt tagaatatag tatttaggaa   2040
agaggaaaat agttttttaa attagaactt aagtcatgat taacatttct gtcagtggct   2100
ttaataagtc aatacacatt tctaaaagaa aaacgaaatt gagtacaata accacattgg   2160
cttatttcct tagtagttta ttaattctat cttacatcat taaataaaaa catgaatatt   2220
aaaagatatc actggtaaat gcctttgag gactgcttct tttggagatc attctacaaa    2280
actctcttac cctaacaacg aacgagaatg ctactggtgt tcatattcaa accactgtgt   2340
ttcatgaaag acccaacttt tgagggtata aactaagaat agttttaga gcgctatgct    2400
ttaaagaact gcttattttt aattcatgta ttgcaaagt cttgaaccat aaaaaaaaca    2460
aaacaatgat gatgagaaaa aaagaaaact ccagggctac ctgggtttgc aatggttgtg   2520
aaagaaaagt atactcagca ttttcttccc aaattaaaag gtcccccca aaaaagtgta    2580
gccaaaaaaa acaaaac                                                  2597
```

```
<400> 8885
tgctcaccag tctactaatt cctatcttaa gttgttagag aagatagaaa aagtacacag    60
cctgcccagc tctttttatg agggcagtga aatttgaatt ccaaaaccag ataaagataa   120
ttacagaaaa tgatcagttc atgccactta caggctactg aatgcaaaaa tcctgtgtaa   180
ggtatttgct gactggatcc aacagtgtat taaaaataat ttataatgat tagttagggt   240
ttatcctgga aggcaaggat ggctcaaagt cagagaaatc tgtcagttta atctccatat   300
atggtgttag acagaaagtc agtcatttga ttttttttat aaggttccat agctatatat   360
gattaaaact ctgagaaaac cagt                                          384
```

```
<210> 8886
<211> 778
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (354)...(773)
<223> similar to gi2065209 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 8886
gtcagaatat aaagcaggca gaaaaaacgt gaaaagatta gactggctta gcctcccagc    60
ctataccttt ctcctatgct ggatgcttcc tgtcctcaaa catcagactc caagttcttc   120
aggaactcgg gactggcctt cccttttcctt gccagcttgc cagatggccc tattgtggga   180
ccttgtgatg gtgtgagtta aaactactta ataaactctc ctttatatat aaatatatat   240
atctattcca ttagttcttt ccctctagag aaacctaata cagattttgg taccaggagt   300
gattctacag gaacagaata ttaaggatgg agttcttttg ttggtttttgg ggtttctgga   360
gttggctgct taatatgatt agaacccaaa atgctaagga ctctacttct aatagtatag   420
ggaacactga tagtccttgg tgtgaactgt ttagagagtt atgcaaaata aatgcatttg   480
gacacacctg aatcatcgct cgtgagaggc aaggagttca gtgactatac ataatacaat   540
tgacccatac gtggaaaacc aaggaacata atgaagctag ttggttgctc ctaagttcag   600
tggacaaagt catgaaagaa aatgatgaac tcagggattc tagctcccag gcttcagaag   660
cagatattga acctaaaatc tgctaagatt gccctaagtg agagtcttat ctcctgtaga   720
gaaagagctg aaattgtgga aaaacagcca caagctctta tcataaaagt aactggcc     778
```

```
<210> 8887
<211> 1477
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1478)
```

<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1049)...(1324)
<223> similar to gi288145 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8887
tttttttttt ttgacggtct tcaggtttat ttcttaaatc aattaggaaa taaaaccaca   60
gtgcccagga aagttcacat gagacgccac ggtgtctctt gccatggccc caccactcca   120
ggggccaggg ggtgctgctg gagggaggac agacggacag gcggcctggg tggccggccc   180
cagaaaggct ggcgtggatg ttcgagatga gccaccagcg aagccagtag ggatgtctgg   240
gccgtcctgg tgggattgtc tgggacatcg ccaccaacac ggtgtcagag ccatcagtgg   300
ggacatcgga ggggccacca ccaggtgggg tatattcaac aggctagaac ccctgaggct   360
tgagaggcca acccccggca ggagacctcc cctgacccct ctgctgcctc tcctgtggga   420
ccctccagta gacacaccag atgaggacac ccaggaggcc tcctcccagg acaggaggca   480
gctggctggg cagccacgca gtgcagggtt cagggccctc cagcaggagc tccatggaga   540
tggctaaatg gggacatcaa ggcaggggct gacagtggtg acatccaagt ggtcacagtc   600
aattccggaa gctttcaggg catcaggagg ggaaggtggg gctggggaaa tgtgacagga   660
acggggaagt gcaaaaggca attggcctag cctgggagat tttccagttg gcctggggga   720
cccccggctc ctccattcag cagggagggc ggagggcctg cttggaagtc acatggagct   780
gcagcatctg gaacccaaca gccacaggag gcctggatcg gggctccgta aggcacagcc   840
gagagggagg tggggaggcc ccagtccgag tccagggccc aggggagatg attcctgcag   900
tccccaaaag cagctggacc ctacacaaga tgcagctccc aggacacgcg tgttccactc   960
tcggcaggag aggagaggaa aaaggaaagg ccgggccaga ggctcacgcc tataatccca   1020
gcactctggg aggccgaggc cagcggatca cctgaggtca ggagttcaag accaacctga   1080
ccaacatggt gaaaccccgt ctctactaaa aatataaaaa ttagctggac gtggtggcgg   1140
gtgcctgtaa tcccagctac tcaggagggt gaggtgggag gatcccttga accccaggag   1200
gcagaggttg cagtgagccg agattccccc cctgcacttt aggccgggca gcaaagtgag   1260
actttatttt taaaaaaaaa gaaagaaaga aagaaaagaa aaagagggaa gagttaaggc   1320
cagacaggga cagggatgga aggagccaga ggctgaaaag cagggagagg aggcagacac   1380
aggggcacca aggcagcaga gaggcacggg ttcctctgag gttccagttt ctcgnngtcc   1440
nccgcnaggg ctntaggtca tcaatnnggn cacgcct   1477

<210> 8888
<211> 2034
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1251)...(1809)
<223> similar to gi1209103 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8888

```
ggcacgagtt ttgtttgatt attttacata gacaaaagaa ctcatattac tttacttgct        60
acatttcaac atctttcctc agcttattag ctctatttct tttctgtctg taaatggata       120
ttgctgattt gttctttgag acagggtctt gctctgtcac caggctggac tgtactggca       180
taatcatgcc tcactgcagc cttgacctcc caggctcaaa cttccgcatt ccgaatagct       240
gggactacaa gtgtgcacca ccaccccag ctaacttttt tcttcttttg gatagagaca       300
gggtctcact gtgttgtcca gaccggtctc tagctcctgg ccttaagcaa tcctcctgca       360
ttagcttctc aaattgctgg aatttcaggc atgagccacc gtgcctggcc tgggctagtc       420
ctatattctc tagagttctc tttactttgt gctagtcaat ctctcattat gctgttcacc       480
tgttataatg aataattctc tgtattaaat tttaccactt taaacttttg agtggttat        540
gcttcctgat tggactctga ctaatatgtt aggaagggtc ccaggagata aacccacaca       600
gatgggattt gggcagtgct gagctctttg ccagtgggaa atgggatgct ggtgatttcc       660
agtaggtgac ctcacagtga ctcaagctac cacttactgt tgattgtgac gaaatgccag       720
ctgaggcaca tgccttggga gctaagtggt tgctgcactt gaccactgtg aagactggtg       780
tgggaagaag ggtcgtttct gatgcacttg agcaggggtc cccaacccct gagccatgga       840
gccgcaagga gccacacagc aggaggtgag tggtgtcgag tgagggagtg agggaagctt       900
cgtctgtatt tacagccact ccccctttgct cacattcccg cctgagctcc accttctcag       960
atcagcagca gcattagatt ctcataggag aatgcaccct gttgtgaacc gtgcatgtga      1020
gggatctagg ttgcgctgtc cttatgaaag cctaatacct attgatctgt cactttctcc      1080
catcacgctc aggtgggacc attcagttgc aggaaaacaa gcttaacacg cccactgatt      1140
ctacattatg gtgagttcta taattatttt attatatatt acagtgtaat aatggaaata      1200
aagtgcctaa taaatgcaaa tgtgcttaca tcttttggcc cagctcctac ctcccggcag      1260
cctctccagg cccagaactt tctccagtca gcctctacag accaagctca tgactcacaa      1320
tggcctattt aggcccatac cctacgtcac ggcagcctcc gcagatgagc ctactgcctc      1380
acaacagcct ccacaggcac agctccatcg ttacaatggc ctctttagac ccagctcctg      1440
cctcccagcc ttctctccag gccctgaact ttctcaagtc gacctcacca ggcccagctc      1500
atgcttcttt gcagcctctc caggcccagc tcctgcatct tggtggcccc tccaggccca      1560
gcctctgcct cccgtcggcc tctacagtcc caacatctgc ctcacagcag attcttcacg      1620
cccagcatct gcctcactgt ggaccccca agccaagctc ccaacctttc agcagcttct      1680
acacacccag ctcctgccac ccagtggcct ctttaggcca agctcatgct tcacaagggc      1740
ctttccaggc ccaactttg tctcatggca accttccctg gccagattcc tgcctgtctc      1800
ccagcagcct agacaggccc aggtcttgcc tcacactggc ctctctacat gcagcttatg      1860
cctcacggtg gcctctccag gcccaactcc tgtcccagga cgtcatctcc gggcccaaaa      1920
cttactcaag tcagactctc tagtcccaac tgctgcctcc tggtggccta tgaaggccca      1980
aaatctcctc aagttgacct gttccaggtc ccagctcctg cctcctgtca gcgt            2034
```

<210> 8889
<211> 492
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (180)...(462)
<223> similar to gi4775349 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8889
```
gcggccgcca ggaggagcct cccggactcg gcttctcccg cgggctctcc tgaggttccc        60
ggaccctgca gctcctccgc gggtttggac ttgaaggaca gtggtttgga gagtcctgct       120
gccgccgagg cgcctctgag agggcagtac aaggtgaccg cctccccgga gacagccgtg       180
```

```
gccggagtgg gtcatgagtt gggtaccgcc ggagacgcgg gagcccgccc ggatctcgcc       240
ggcacctgcc aagcagaact gaccgccgcc ggctccgaag agcccagcag cgccggcggc       300
ctcagcagca gttgcagcga cccgagccct cctggggaat ctccgagcct ggactctctg       360
gagtcgttct ctaacctgca ttcttttccc agtagctgcg agttcaatag tgaggaggga       420
gcggagaaca gggtccctga ggaggaggag ggcgcggcgg tgttgcccgg ggctgttcct       480
ctgtgcaagg ag                                                            492
```

<210> 8890
<211> 1564
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (516)...(1554)
<223> similar to gi3641352 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8890
```
gatcttttgg ttaactggct gcacatatac cttaataacc aggattcggg aacaaaggca        60
ttctgcgatg ttgctctcca tggaccattt tactcagcct gccaagctgt gttctacacc       120
tttgttttta gacacaagca gcttttgagc ggaaacctga aagaaggttt gcagtatctt       180
cagagtctga attttgagtg gatagtgatg agccagctaa atcccctgaa gatttgcctg       240
ccctcagtgg ttaacttttt tgctgcaatc acaaataagt accagctcgt cttctgctac       300
accatcattg agaggaacaa tcgccagatg ctgccagtca ttaggagtac cactggagga       360
gactcagtgc agacctgcac aaacccactg gacaccttct tcccctttga tccctgtgtg       420
ctgaagaggt caaagaaatt cattgatcct atttatcagg tatgggaaga catgagtgct       480
gaagagctac aggagttcaa gaaacccatg aaaaagttgt tctggagaat catgtagcga       540
cagatgaaga cgaacctgct ttgaaacgcc agcgactaga aatcaattgc caggatccat       600
ctataaagtc attcctgtat tccatcaacc agacaatctg cttgcggttg gatagcattg       660
aagccaaatt gcaagccctg gaggctactt gtaaatcctt agaagaaaag ctggatctgg       720
tcacgaacaa gcagcacagc cccatccagg ttcccatggt tgccggctcc cctctcagga       780
caacccagat gtgcaacaaa gtgcgatggg atctgaaggg agccgagctc cttctgcaga       840
agggcgctga gaagggagct ggaaggaaaa gaaggaaaca ttccttcctc aactggagga       900
agacaacgcg gccacacaca gaaccagcgg ccccaggacc gtcaccctgc gtgcccgggc       960
ctgtccctcc tgaccccagg attatagtgg cgaggcaggg tgttagccaa gcggattgag      1020
ccaggacaca acaccgcgga gccctgcagg cgagtcctcc ggaggctgag agcaaacggt      1080
tgcactagga acccagcagt cagaccggcc cccaccctgg agtgaacaca tcgccactgc      1140
caggcatcgc agggaggatt accccaatgg cacctggctg ggcgacgaga acaaccccga      1200
gatgcgggtg cactgcgcca tcatcccctc cgacatgctg cacatcagca ccaactgccg      1260
cacggccgag gagatggtgc tcacgctgct ggactacctc ttccaccgcg aggtgcaggc      1320
tgtgtccagc ctctcggggc agggcaagca cgggaagaag cagctggacc cgctcaccat      1380
ctatggcatc cggtgtcacc ttttctataa atttggcatc acagaatctg actggtaccg      1440
aatcaagcag agcatcgact ccaagtgccg cacggcgtgg cggcgcaagc agtggggcca      1500
gagcctggtg gtcaagagct ctcgcggag aatgcccaac tcatcctcct actgcccctg      1560
tatt                                                                   1564
```

<210> 8891
<211> 929
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (18)...(893)
<223> similar to gi2065210 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8891
cagaacccct tgaatgaagg ggaggccggg tccccttgag gaaggatccc actacattac   60
caacaattta tgcagtgaat ctttctccca tccttcccca agacctctgg ccttttacca   120
gggtaactgt gcactgggga aagggaaatg atcagacatt tcagggacta caggatactg   180
gctctgagct gatgctgatt ccaggggacc caaaacgtca ctgtagtcct ccagttaaat   240
aggggcttat ggaagtcagg taattaatgg agttttagct caggtctgac ttacagtggg   300
tccagtgggt ccccggactc atcctgtggt cattttccca gtgccagaat gcagaattgg   360
cagagacata cttagcagct ggcagaaccc ccacactggc tccctgactg gtaggtgag   420
ggcttttatg gttggaaagg ccaaatggaa gccatgagag ctgcctctac ctagaaaacc   480
agtaaatcaa aaacaatatc gtattcccgg agggattgca gagattagtg tccatcaaaa   540
acttgagacg cggggtggtg attcccacca catcccggtt caactctccc atttggcctg   600
tgcagaagac agatggatct tggtgaacgg cagcggatta tcgtaagttt aaccaagtgg   660
tgactccaat ttgcagctgc tgtaccagat gtggtttcat tgcttgagca aattaccata   720
tctcttggta cctggtatgt agccactgac ttgacaaatg ccttttctc cattcctgtt   780
ccaaggccca ccagaagcaa tttgtcttca gctggcaagg ccagcaatat accttcactg   840
tcatacctca ggggtgtatc aactctccgg ctttgtgtca taatcttatt catgtcatat   900
tcttattcgg agagaccttg gtcgcattt   929

<210> 8892
<211> 1164
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (320)...(992)
<223> similar to gi2664429 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8892
cccacgcgtc cgagctgctg tgtctcttcg tcgtctggga agaaaacttt cacattaaga   60
gttgctgatg cggattttct ttctttcctc tcccggcgtt gatgagtgct tggctcctga   120
cagaagggat ttggctccca gctttgtagt tcggaagaag ttgggtctat agatttcccc   180
ctaactctcc attgatgtgt tgagcttcag agggaataat aactctacgt aaagcatgct   240
ggcgtctcaa ggagttctcc tgcatcctta tggcgtgcct atgattgtac cggcagctcc   300

```
ttaccttcct ggactgattc agggtaatca ggaagcagcc gctgcccctg acacaatggc      360
tcagccttac gcttcggccc agtttgctcc cccgcagaac ggtatccccg cggaatacac      420
ggcccctcat ccccacccccg cgccagagta cacaggccag accacggttc ccgagcacac     480
attaaacctg taccctcccg cccagacgca ctccgagcag agcccggcgg acacgagcgc      540
tcagaccgtc tctggcaccc gcaacaaaca agattgacgc agcaccgacg gatggccaag      600
ccccaagaca caaacttctt gaaaacacgg aaaacaagtc tccagcccaa gcgggctgca      660
tgtctccaat atccccttca gggttccggg atccggacct cagacaaatg ttttggtcaa      720
tttggtaaaa tcttagatgt tgaaattatt tttaatgagc gaggctcaaa gggatttggt      780
ttcgtaactt tcgaaaatag tgccgatgcg gacagggcga gggagaaatt tacacggcac      840
cgtggttaga gggccgtaaa attggaggta aattaatgcc acagcacgtg taatgacaaa      900
taaaaagacc gtcaaccctt atacaaatgg ctggaaattg aatccagttg tgggtgcagt      960
ctacagtccc gaattctatg caggcacggt cctgttgtgc caggccaacc aggagggatc     1020
ttccatgtac agtgcccccca gcacagactt cagaggagct aagctgcaca cttccaggcc     1080
tctgctgtca ggcagctgag aatctgactg cctctcctcc cctattacaa ttcatgttta     1140
aagtcatagt cgcccaggtg tatt                                            1164


        <210> 8893
        <211> 1597
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (155)...(1588)
        <223> similar to gi2317963 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters


        <400> 8893
cctgctggga accccctgaa acaaagccag cttccttttc caaaacacag tgcaaagggg       60
ccctgggcag ctgcctcact gctgtgtcct cgtcacatgg tgctagcatt ggcttactga      120
acataggacg gccctctgag acctgatgga ttatggaggt tacagagggg tggctcggcc      180
tcagacactc agcacagtcc ctgccccagg ctgctgcctc cacaccacag cgtcctgcaa      240
ggtggccctc atctccctgg gtcttcccct gggctgaaac tgcctgtgga aaccccaggg      300
aaacctactg gttcagctct tcagtcattc agctgtgact catccattct ttcactgagg      360
acacagcaca gcccagcctt gggccaggtg ctggagcttc gggtaaaatg ccttggaagc      420
tccaggtctg atggagcaga caccctcctg tagatctgat ggaggagata cccttctgtt      480
taactcatac catagactcg aagctccagg agcacggagc cttgcagcgc ctcctgcatg      540
aggaaaggaa ggaatgagtg aacggaaggg aagcgcggac ttcagttgcc aggagaccag      600
ctggcccta gacatctcca cccgactggc agcaccaggg caggacaagg tcaggagggc       660
agggcttgac tgggagctag cggcccctga gccagttaag gcctttgtgg atgagtggag      720
caggtggctc ctggggcacc tgtcctcacg cctggcccca acttgccctg tgtccagcca      780
ggaggtggtt accttctagg gctccagctc agagcctctg ggagtagtgc tgggttctgg      840
gagaggaagt gcaagagggc aggcaggagg gagaagggct ccctgcctct ccaacaacct      900
gcagggctcc aggaactgca agccactcat cggggtgcag ctgccccacc acagggccag      960
gctctgccgc caccgttcta ccttgggaaa ttggactccc aggaagctgg aggggctgcc     1020
cgagggtccc aggagacagg aggcagaagc tgagcttgag ttcctcctgt ctccccactc     1080
ccccagctgt ctatgggccc tggggtccca gcactgaagg gtggagaggg gagggaggct     1140
gacggtgtgg gaggggtggg tcactgtttc acctcagtag aagccctccc ctcttccctt     1200
gtgcagccta cgggagctgc cctgggtgtt ccccttgtaa ttccactgaa gtcatggggg     1260
aggggctgct gaaggctgga cctgccctct tcaccccagt ccccagggca ggccccacat     1320
```

7409

```
aggtcctcaa agaggtgacc tgtggggggct gcagggggca ctattctgca cacagggggtg   1380
ttcctgccac tcaggcccct gctttgatga ggaggcccag ggacccaaag tgtgggggtg    1440
agggcgcccc acagcacggc acccgtgagg ggactggagt tcttgagtta cctgtgcctg    1500
gctgctctct ccagcccccg gggcatgggc gccggtgtac tggcggcggc ggggaagcag    1560
gcagctcttt cccaggagga cgcccgagtg attccat                             1597



        <210> 8894
        <211> 420
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (75)...(412)
        <223> similar to gi2653303 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters



        <400> 8894
gggtcaccag acgtggaccg tgtgccagcg ctttgtgcac tgttaaaggg tgggttcatt    60
ttacttggcc cctggtattt tcgtgggtcg ctctgagccc atcccgagct cttttggatc    120
gcatttctcc agcccaggat cccaaaacca gaccagcagg acaactaccc cggcactgcc    180
accgcccgtt tccacagtcc acccacagcc gttgcgccct cctccattcc ccagagccca    240
tcacgcaccc tctttaccaa caaaccaccg gacgctttc ccccagccgt gacttccaca    300
acccccaact aaatacaagt cggcacaccc ccttccttcc ccgcgccaaa ccagcgtggc    360
cgcccactcg tcgcacccag gtccagcagg tccagcaggt ccccaggagg gcccacgaaa    420



        <210> 8895
        <211> 983
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (282)...(984)
        <223> similar to gi4584086 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters



        <400> 8895
agcatgtgca tgggacacaa cgctgtctct tcgagaatcc ctatggcaca gacctgggaa    60
agacagtaag actctgtttg tagacagcct ttgtgggtac cgggctactt tcccaggcgt    120
ttccatcagt ccctcctgcg gagagggttg gagagcaacc ctggtatatc ccatctcgaa    180
gagctggcgg ggcgaagatg cgaagtggct gggccttgcc ttatcctccc gccccacaac    240
tccgtccttc tctggaaaag acgcccacag tgctgcaagt tccgcctgca gtaattccgc    300
```

```
gacttccaca agagcgtgag ggctgaagag gcaagcggca cccctcccgg cctcaccagg      360
cgcaacgtca gagcggaggg tctgaacctc cggccctgcc tctccagccc tctgccctcc      420
tggctggctg gagtccattc cccatccgcc cgggtgggca accagatgca gccaaagtag      480
cgaaagagca tgccgggatg ccaacccgtg cagccctcag caaatcactc aacttctcta      540
agcctcaatc ccgcccggga actgggacta acagaacaga cgcggacaca ctgaatgtcg      600
gcccttccct ccagccccgg tcaagggctc agccaacgcc gcggcgccag cgccacgagc      660
gcaggaaact acaggtccca aaatgcagcg cggccaatcc gccgacccgc ggccccgagg      720
gcggcttggg gcctgccggg agctgtagtt tcgaaaaacc gcaacgcgcc tacgagccgc      780
tcgggtaaaa gaaccacttg tagggtcact gcgactcact gctcacttgt ctccgcggcg      840
aaccttccag aaccggggtc cctcaggaac tcaaccgact ccagtcgagg gccgccaccc      900
gtccccagct gtcagccagc tcagagtttt cgcgggcaga ggcgcgcagt cggcgctgag      960
cccactgcac ttccgccccc cac                                             983




        <210> 8896
        <211> 1399
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (276)...(1390)
        <223> similar to gi5640017 in the genepept database release 114,
          Run with FASTXY 3.3t00, default parameters



        <400> 8896
tttcgtggcg cgtgtgcggg gagttgaatc tcccgctccc ttgaggctgg ggttgcgtct       60
gttgacgcgg ccgactacaa tcccgaggga gactcacatt gggacttgtc ctcctcctcc      120
tggacatttt gggggctcgt cagcatggac agcgagtcag ccatgggtgg aagggaggct      180
ttctcacagc tcccttgtgc ttcccacagc cctgccagcc gggaacacgg aggggaagga      240
ggaggagctt aaaagaggct actgaacccc agttggccat ggctgaggaa tttgtgaccc      300
tcaaggatgt cggcatggac ttcaccttgg gagactggga gcagctcggg ctggaacagg      360
gggacacgtt ctgggacaca gcgttggaca attgccagga cctcttcctg ctggaccccc      420
caagacccaa cctgacctcc cacccagatg gcagtgaaga tctggagcct ctggcaggag      480
gaagcccaga agcaacaagc cctgatgtga ctgagaccaa gaactctcct ctgatggagg      540
atttcttcga agaaggattc tcccaggaga ttatagagat gttatccaag gatggcttct      600
ggaactccaa tttcggagaa gcctgtatag aggacacctg gttagatagt ttgctaggcg      660
atccagaaag tcttctgagg tctgatattg ccaccaacgg ggaaagtccc acggaatgca      720
agagtcatga attaaagaga ggactcagtc ctgtgtccac cgtttccacg ggagaagatt      780
ccatggtgca taatgtttct gaaaagaccc tcacaccagc taagtctaag gaatataggg      840
gtgagttttt ctcctactcc gaccacagcc agcaggattc tgttcaggaa ggggagaaac      900
catatcaatg tagtgaatgt gggaaaagct tcagtgggag ttaccgtctt acccagcact      960
ggatcactca tactagggag aaacccactg tccatcaaga gtgtgagcaa ggttttgacc     1020
ggaaggcttc ccattctggg tatccgaaaa ctcacacggg ctacaaattc tatgtgtgta     1080
atgaatatgg gacacctttt agtcagagta catacctgtg gcatcagaaa actcacgctg     1140
gagaaaaacc atgtaagagt caagatagtg accacccacc cagtcatgac acacagtctg     1200
gtgagcatca gaaaactcac acagatagta agtcctacaa ctgtaacgaa tgcggcaagg     1260
cttttacccg gatcttccac cttactcggc accagaagat ccacactcgg aaacgctatg     1320
agtgttccaa gtgccaggcg accttcaact tgagaaaaca cctcatccaa catcagaaaa     1380
ctcacgctgc aaatgtatt                                                  1399
```

<210> 8897
<211> 652
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (36)...(651)
<223> similar to gi1322378 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8897
```
taaatctgcg cgaagaaaca ctcgcccaat catgtttctt tatcgatgtg ccataagaaa    60
cactcgccca atcacgtttc ctcatcgagc ttccgtagga aatattcgtc taatcacgtt   120
tccccatgga gctgccgtaa gaaacactca cccaatcacg tttccccatc gaggtgctgt   180
aagaaacact cgcccaatca cgtttcccca tggagctgtc gtaagaaaca ctcacccaat   240
cacgtttccc catcgagctg ccgtaagaaa cactcgccca atcatgtttc cccatcaagg   300
tgccgtaaga aacactcgcc caatcacgtt tccccattga ggtgccataa gaaacactcg   360
cccaatcacg tttccccatc gagctgccat aagaaacact cacccaatca cgtttcccca   420
tcgagctgcc gtaagaaaca ctcgcccaat catgtttccc catcgaggtg ccgtgagaaa   480
cactcgccca atcatgtttc cccatcgagc tgccgtaaga aacactcgcc caatcacgtt   540
ttccccatcg agctgccgta ggaaacattc gtccaataac gtttccccgc caccttctac   600
cttcctccag ctgccgtaag aaacactcac ccaatcacgt ttccccatcg ag           652
```


<210> 8898
<211> 723
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (330)...(712)
<223> similar to gi473935 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8898
```
gagaccaggg gagctgtcaa ggctgcggcg gggaccagag aggagcctgg cgggggtggc    60
tgggtggctg ggggaatccc cccaacttcc catcgcaggc gcagctctct cggccgccta   120
tttcctccga aacccgcgct gcggagcagc ccagtgcata gagttcaaca cttccccttg   180
ttgtggaaag taaaggagcc tcactaccac ctttttttct ttgcgttttc ttactgctgg   240
tcctgggagc ctttttccttc ggagcagcag ccctgtccgg catctgtctt gagctcccag   300
caaggaaagt ccatcagctt gataatggag gagaacaatg actccacgga gaaccccaa    360
caaggccaag ggcggcagaa tgccatcaag tgtgggtggc tgaggaagca aggaggcttt   420
```

```
gtcaagactt ggcatactcg ctggtttgtg ctcaagggggg atcagctcta ttatttcaaa    480
gatgaagatg aaaccaagcc cttgggtact atttttctgc ctggaaataa agtttctgag    540
catccctgca atgaagagaa cccagggaag ttccttttttg aagtagttcc aggaggcgat    600
cgagatcgga tgacagcaaa tcatgaaagc tacctcctca tggcaagcac ccagaatgat    660
atggaagact gggtgaagtc aatccgccga gtcatatggg gacctttcgg aggaggcatt    720
ttc                                                                   723
```

```
        <400> 8899
gcaagcctgg cctatcccct gtaggggggtg ggtgaggggc gaggctgagg aagaagagaa     60
ggggaattgg ggcgcttgag gggattataa tttctttaaa aagaggggag gggagaggcc    120
atggccgtcc cagccaagaa aaggaagatg aacttctcag agcgggaggt ggagatcatc    180
gtggaggagc tggagctgaa gaagcacctg ctggtgaacc acttcaacgc cggggtaccc    240
ctggccgcca agagtgcggc ctggcacggc atcctgagaa gggtcaacgc cgtggccacc    300
tgccgcagag agctgcctga ggtcaagaag aagtggtctg acctcaagac cgaggtccgt    360
cgcaaggttg cccaggtccg ggccgccgtg gagggtggtg aggcgccggg gcccactgag    420
gaggacggag ctggggggcc tgggacaggc ggtggcagtg gcggcggtgg cccagctgta    480
gccccagtgc tgctgacccc catgcaacaa cgtatctgca acctgctggg cgaggccacc    540
atcatcagcc tgcccagcac cacagagatc caccctgtgg ccctcggacc ctcggccacc    600
gcagccgcag ccacggtcac cctgacacag atccccacag agaccaccta tcacacgctg    660
gaggagggcg tggtggagta ctgcacggct gaggcgcccc cacctctgcc accagagacc    720
cctgtggaca tgatggccca gcatgcagac acgtcggtca agccgcaagc gctcaagagc    780
cgcattgctc tcaactccgc caagctgata caggagcagc gggtcaccaa cctgcatgtg    840
aaggagatcg cacagcacct ggaacagcag aacgacctac tgcag                    885
```

<400> 8900
```
taagcttaag gatctttact ttcagtttag ccagagtgga attagaacag ggatatcatt      60
aacagccagc caggacagaa gcgaaggcgt ctcagaagca acttggtgga ccagcctcag     120
gaaccccggg tcatgcctgc acttcccacc ttcctgcctg gggagaggcc caatcccctg     180
agggaccctg gagagcccac gaccagggcc gccagcccct gcccagcaca ctgcaggccc     240
agctgcccct tcccagggcg atgtgtctag gctccggaga cagcccagtc cagggtgggt     300
ctatgtctgc atgcagccga ggatttccgt caccctggcc atggggctgt tccacacctg     360
ctcctgggat ccagcagtgc agcccgcaag aacagaccca accgggggcca agcctcaggt     420
tccagaagcc acccctgcct cctgcccctc cttcagggcc ctagatggct gtggcctgga     480
tcagggctgg gcagagggtg aggcaggagc caccccacct tctgctgggg acacagacaa     540
ggagctctcc ggactggaaa gagtccccat gtccagtggg tcagggctgg aaggggagac     600
aggggacccc atcagcttag ggggcctcgg attctgtcca aaccccttcc ctcgaggacc     660
tggctgccag ctggaaactc agctggtccc caaggccaga gcccccttga gcttccagag     720
cctcgatccc cctggacttg acaccccga tgggcacctg ccagcctcac tcccgggacc     780
caggatgatg cccccaccag gaccctccat gtggacccag gcacgtggcc tccaggaggc     840
tggtgcccag ccacccagag acacaagcca gctgctgatg gtggacaggg tgggtcatga     900
actcagggag ccaggggctc gcctctcccc gggaaggtgg gcgcagcagc agggagcact     960
tggcagcact cgacccggga att                                            983
```


<210> 8901
<211> 1396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1397)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (276)...(732)
<223> similar to gi558052 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8901
```
ttgaaaccag caccttccct ttctctgagt cctgcctcct tctgcagaag ggagctcaaa      60
agaactttgt tgttttgcct tttactctgg ggtgaaagcg gcaggaggta tgtgagatgg     120
tgaaatgatt tgcttctgcc atgctggggt cacgggtgga tcgccctaaa ctctcggtgg     180
ccccctcagt agtttggaa gaggaccaag tccttgtctc tccagcagtg gacctggaag     240
caggatgccg gctcagggac ttcactgaga aataatgaa tgtcaaagga aaagtaattc     300
tgtcaatgct ggttgtctca actgtgatca ttgtgttttg ggaattatc aacagcacag     360
aaggctcttt cttgtggata tatcactcaa aaaacccaga agttgatgac agcagtgctc     420
agaagggctg gtggtttctg agctggttta acaatgggat ccacaattat caacaagggg     480
aagaagacat agacaaagaa aaaggaagag aggagaccaa aggaaggaaa atgacacaac     540
agagcttcgg ctatgggact ggtttaatcc aaacttgaag gaatccgaat aactaaactg     600
gactctggtt ttctgactca gtccttctag aagacctgga ctgagagatc atgcggttaa     660
```

```
ggagtgtgta acaggcggac cacctgttgg gactgcgaga ttctcaaggg gaaggactgg      720
gtctcatttc tcccatctca gcgcttagca ggatgacctg gtatagagca gggaactggg      780
aaatgtgggt caggggatca gacactccag ttgggtcttt tatataaatt aaatggcaaa      840
aggctccata cccttctcct tctttcctac cctccacttt atctgcaaaa tgggaatgat      900
gataacaccc acttcataga atggtcatga agatcaaatg agagaataaa agtcaagcac      960
ttagcctctg gtgcacaata agtattaaat aagtatacct attcctcctt ttcctttttt     1020
taaaataata ttaccaaatg tccagcttat acacatttac aagacttagc tagtgggcta     1080
tgttagagct actaaagat ctttgacaag ctaaaactaa gatgcaatga atgaggtgta      1140
acgaacaaga gagttttaag ttcagaaatg gttacagaag tataagacag ctgtgtgggt     1200
gttttttggt ttttggtttc tggtttacaa tctcgtcatt caacaaagat gggagtttta     1260
tagaactaaa agcaccatgt aagctactaa aaacaacaac aaaaaaggct catcatttct     1320
cagtctgaat tgacaaaaat gccaatgcaa ataaaaatga ttactttta ttttaaaaaa      1380
aaaaaagnaa aaaaaa                                                     1396
```

```
          <400> 8902
ataaaatcca gcattccttc atgaagaaaa ccctcaagaa actgggcatc aatggaacat       60
actccaaaat aatgaaagcc acctatggca aatacacaac caacagcaaa ctgtgtgtgc      120
aaaagctgga agcattacca ttgacaactg gaaaaagaca aggatgccta ctgtcaccac      180
tctgtttcaa cataatactg gaggtcttag agcaatctgg aaagagaaag aaacaaaagt      240
catctgaata gggaaagaag atgtcaaatt atttctctta acatatgata tgcttctata      300
cgtaaaaaac cctaaggact ctgccagaag gctcctggaa ccaataaacg acgctagtta      360
agtttcaaga aacaatatca aagtacaaaa atcagtagca tttctgtaca ccagtaatct      420
tcatgctgag aaccaaatca agaatag                                         447
```

          <400> 8903
ggagccccag gggccgaaga ggcacacgtc gggcctttgg gtgcacctca gcctgggggc   60
cagaacgtgg ggcagagtgc agccagggtt ctgactcctg gggtggaagg gagactccca   120
gggcatcatg tctctaccca agtccagggg gatgagccgc tttttctctt tttagaccca   180
gtcccaagac ccaagccaag ggtgaccctt cacactggcc caggcctttg caggcacctt   240
ggctgaggct ccccaagtat gaatggtaaa tccttgcctc cagcctcggc acagaggagc   300
ccagcacaga cgcccccagc acagagtccc ccagcacaca gcccccaaca cagagctccc   360
ctgcacacag cccccctgca cagacacccc cagcacagag tcccccagta cagagccccc   420
agcgcagata cccccatag cacagagccc ccagatcaga gacccacagc acagagtagc   480
cccccagcac agggccccc ggcacaggga tccccaagca cagggacccc cccagcacag   540
ggatccccc agcacagggc ccctcagcac agggaccccc ccacagta   588

          <210> 8904
          <211> 829
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (1)...(830)
          <223> n = a,t,c or g

          <220>
          <221> misc_feature
          <222> (249)...(755)
          <223> similar to gi1335205 in the genepept database release 114,
              Run with FASTXY 3.3t00, default parameters

          <400> 8904
ccagcctagc aaagttgatg gggattnagn gcatgntgtt tnnnnnnngg gnaaatgnnn   60
aaaanngngg ggtnaagang ggnnttnnaa anggggggnng ggtagannag gnnnngnnnt   120
taaaaagtan nnnnnnnnnn nnggnnnnnn ggaatanngt ggnnnttctt ctccccacca   180
cccctcccnn nnnnnnnnnn nnnnnnnnnn nnnnnnnngc catgaatttt ctatgggaat   240
gaatatacct taataaagaa aatcaagcaa tacaatgggc tacaatgact gactaagaaa   300
aacacatgat tatcttaatg gatacagaaa aagtatttaa caaaattgaa atatcaactc   360
atgatcttaa aacaattctg aacaatctag taatcatagg aaattttctt aaactgataa   420
agaatatcta caaaaaacct atagctaaca tcatacttaa tgaaatacta aatgcttccc   480
cccagccaca ctaagatcag agacttggca aatacgtgtg ctccaaacat tcccttttaa   540
cttcttactg caagtcttag ccaacgcagt atttcaagaa gacataaaag gcaagcaaat   600
tggaaaggaa gaaattaaac tatccatatt cacatgtaaa tagtaaacta tacagacacc   660
actgtatgta gaaaatgcca agaaatatac ataaaagttc atataataaa tgagtttagc   720
aaagttgcag gatacaaggt caacatacca aaagtgactt tcagatgcat ataccctat   780
ttggtgttca atcacatcag tgtggtcttt tttataaaag atgatgcta   829

<210> 8905
<211> 1099
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (493)...(1099)
<223> similar to gi30168 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8905
```
aggcacaaaa atagaagacg acacatagaa gagagagact aagaaaagat aatcaaaaca      60
taaataacag cgagtccaaa acaggcatat cgaaatttca cacactaaga atgcaaagtt     120
cataaagcac aagattacaa gtaaaggctg gacaagattg agaaacccca ttataatgta     180
gaaaaaaaaa aattcaaaat tagccaggca tggtggtggg cacctgtaat cccagctact     240
cgggagactg aggcgggaga ttctcttgaa cctgggaggc agaggttgcg gtgagccgag     300
atcgtgccat tgcactccag cctgggcaac aagagcaaaa ctccatctca aaaagaaaaa     360
agaaagaaag aaatgctagg ggaaaatgtt ttaactagtc attcttccca gtagctaatg     420
aagctgactt ttaaaaagaa ggctgtgagc tttgcagatg ctgctgccgc ccagggcccc     480
ctgcttccag ccatggtcaa ccccaccatg tttttccaca ttgctgtcga tggcgagccc     540
ttgggctgtg tctccttcga ggtaaggggc ctggaaagca agaagtgact gctcatctaa     600
tccataaaac tatgttaaca gattggagct gtttgcagac aaggttccaa agacagcaga     660
aaatttccat gctctgagca ctggagaaaa aggatttggt tataagggtt cctgctttca     720
cagaattatt ccagggttta cgtgtcagag tggtgacttc acacgccata cagcattggt     780
ggcaagtcca tctgcaggga gaaatttgat gacaagaact tcatcctgaa gcatacgggt     840
cctggcatct tgtccatggc aaatgctgga cccagcgtga acgtttccca gttttttatc     900
tgccctgcca agatgccaag acagagtggt tggattgcaa gcatgtggtc tttggcaagg     960
tgaaagatgg catgaatatt gtggaggtca tggagcactt ggggtccaag aatggcaaga    1020
tcagcaatca gcaagaagat caccattgct gactggacaa ctgcaataaa tttgacgggt    1080
gtttctctta aaaaaaaaa                                                 1099
```


<210> 8906
<211> 1062
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (724)...(1008)
<223> similar to gi403460 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8906
```
tccaggtcaa aaaaccctcc ccaaccctca cacagccctg gtttgctcgt gagcttgtct      60
atgatatgtg actcccaaca gctgcacaac actgcgtcct ccctgagagc tgcagcagca     120
```

```
gtcaccgtcc acacggtcag cagggaggat aggtaaacac atacaagatc aaccgcaaag      180
tagcattcgt gtttctagct gggacccaca gctgtctctg ctgctcttct agtcttcgga      240
agtgcctgtc tcacatgcac tgccaacatc tacacaccct gtcacaagag accccccagac     300
cacagccttc cagacgtctc catctacaca ccctgtcaca agagaccccc agaccacagc      360
cttccagaag cctccatcta cacaccgtgt cacaagagag acccccaggc cacagccttc      420
cagaagcctc catctacaca ccgtgtcaca agagaccctc acactacagc cttccagaag      480
cctccatcta cataccatgt cacaggagac cctcagaccg cagccttcca gaagcctcca      540
tctacacacc atgtcacaag agaccctcag actacagcct tccagaagcc tccatctaca      600
taccatgtca caggagactc tcaggctgca gcctcccaga agcctcctga ggaaagcagg      660
gcttcatctg aagacaggtc actggcatta agcttacttg ttttttttgag acggggtctc      720
tgtctgtcgc ccaggctgga gaatggtggt gtgatcacgg ctcactgtag cctcgacctc      780
ctcaggctca ggtgattctc ctacctcagc ctccccagtg gcagggacta caggtgctca      840
ccaccatact cggctgattt tgtgtttttt gtagagacgg ggtttcacca tgttgcccag      900
gctggtctcg aactcctgag ctcaagccat ccacccacct cggcctcccc aaatcctggg      960
attacagatg cgaactaccg tgctgggcct aatcttactg ttttaatgta aaaatggaca     1020
gtcttgagga agacagattg ggaagattca tatcttcatg ag                       1062
```

<210> 8907
<211> 1475
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (304)...(1404)
<223> similar to gi2191152 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8907
```
attcccgggt cgacgatttc gtggccgtcc ggcctccctg acatgcagat ttccacccag       60
aagacagaga aggagccagt ggtcatggaa tgggctgggg tcaaagactg ggtgcctggg      120
agctgaggca gccaccgttt cagcctggcc agccctctgg accccgaggt tggaccctac      180
tgtgacacac ctaccatgcg gacactcttc aacctcctct ggcttgccct ggcctgcagc      240
cctgttcaca ctaccctgtc aaagtcagat gccaaaaaag ccgcctcaaa gacgctgctg      300
gagaagagtc agttttcaga taagccggtg caagaccggg gtttggtggt gacggacctc      360
aaagctgaga gtgtggttct tgagcatcgc agctactgct cggcaaaggc ccgggacaga      420
cactttgctg gggatgtact gggctatgtc actccatgga acagccatgg ctacgatgtc      480
accaaggtct ttgggagcaa gttcacacag atctcacccg tctggctgca gctgaagaga      540
cgtggccgtg agatgtttga ggtcacgggc ctccacgacg tggaccaagg gtggatgcga      600
gctgtcagga agcatgccaa gggcctgcac atagtgcctc ggctcctgtt tgaggactgg      660
acttacgatg atttccggaa cgtcttagac agtgaggatg agatagagga gctgagcaag      720
accgtggtcc aggtggcaaa gaaccagcat ttcgatggct tcgtggtgga ggtctggaac      780
cagctgctaa gccagaagcg cgtgggcctc atccacatgc tcacccactt ggccgaggct      840
ctgcaccagg cccggctgct ggccctcctg gtcatcccgc ctgccatcac ccccgggacc      900
gaccagctgg gcatgttcac gcacaaggag tttgagcagc tggcccccgt gctggatggt      960
ttcagcctca tgacctacga ctactctaca gcgcatcagc ctggccctaa tgcacccctg     1020
tcctgggttc gagcctgcgt ccaggtcctg gacccgaagt ccaagtggcg aagcaaaatc     1080
ctcctggggc tcaacttcta tggtatggac tacgcgacct ccaaggatgc ccgtgagcct     1140
gttgtcgggg ccaggtacat ccagacactg aaggaccaca ggccccggat ggtgtgggac     1200
agccaggtct cagagcactt cttcgagtac aagaagagcc gcagtgggag gcacgtcgtc     1260
```

```
ttctacccaa ccctgaagtc cctgcaggtg cggctggagc tggcccggga gctgggcgtt      1320
ggggtctcta tctgggagct gggccagggc ctggactact tctacgacct gctctaggtg      1380
ggcattgcgg cctccgcggt ggacgtgttc ttttctaagc catggagtga gtgagcaggt      1440
gtgaaataca ggcctccact ccgaaaaaaa aaaaa                                 1475
```

```
            <400> 8908
cccacgcgtc cgggagggca gtatctctga aaaacctcat atacctgaaa ctgaggtcac       60
agagtactga ggctgaacca gacagtagag aatgcttttc cttgactccc caacccacat      120
cccccctcacc atcaggctag gaagcacatc aagcaacaag taaccacagc ctaccactag      180
agaggaagca agagcataga ctctgaggtg aacatgcaca gtgaaggcct aaagcttggg      240
atggaacaat accattgagg aaagtactcg agcaaaactg agtaacctat gaattatagt      300
ggaactcaaa aggaaagtta aaacatattt tgtattgaac gaagatgaaa catggcacac      360
gtggaataca gctaaagctt aggggggatat ttacagcatt acatgttata ctagaaaaga     420
aaaaagtgcc ccaatttagt actttaagct ttcacattaa gaaactagga aaagaagagc      480
aaactaaatc taaagcaagc agaaggaaga acactgtaag gataaaagtg ggaaccagtt      540
aaattgaaag aaggaaataa tagagaaaac taataaacta aaagctagtc ctctgaaaag      600
atcaagattg gtaagtctct agccagactg aggaaaaaga aaacacaaag tatcaacatc      660
aggaatagca cttaggatgt caatggagat cctaaagaca ctaaagtg                   708
```

```
            <400> 8909
tttttttttt ttgttttaac aaacatgttt attagaaaag taaaaaatat tgcataggtc       60
```

```
ttaatacttg aacatcaagt gtattcatga acagtgagta tcttatcttc atgtaaacag      120
ttctagatgg aagacccaga tggcactcct cccgggagg ggttccagcc cccaccctct        180
cagcccctcc cctgccagct caactctgca gtacacgatg ggggaaggct aaaacgcagc       240
tgccaggtgt aattttttcaa gtgtcaaaga tcccaagtga tccctgacac ccacccccttc     300
ctactcttac attcatgcgt ctgtaagata gctgcctaca acaggtcagt agtgatgctc       360
cgatcagaaa aacaagatac aaaacaaaca acaaacacac ttggtcccctt cagaccagta      420
agatacacaa accacctcca cgacctccga cctccccct ccctccggct gctctgagga        480
gcacgtgcct cttccttcac cctgggccag gctggggcgg gagcagccca gctgctctct       540
ggatgtcaca ccactgttaa ctgtcagtaa caaaaataat aaggtacatg ctacacacac       600
atccagctgg aagccttgtt ggcccctaag cctttgtttc atgctacagt actgaggggt       660
atgtgtcccc aatgcacagc cacccgcaca caactcaatg agcttcctgg gaaacactat       720
tcccccacct ccaccttagg tggctgcctc agttttccaa ccactggaat cagtccctca       780
gctcctgcct ctagtctcca ccccaaaagt tcagtcgtct ctgtcttgga gggcactgtc       840
ggcccctca ggttgaagtt caacactcct caatgagcag ctgttccgag ctgtacagct        900
tcttcttgat gactcggaag ccagtgctca gcgtcaggga ctggctgaag ccaggagga        960
agggagagtt ggcggagcta aacagcccct ggatcttggg ccagagtcgt gagtccaggc      1020
gcagcacgag ggtcagctgg aaggtgggca ccaggctggg gtcgagtgcc agctggccca      1080
cgctgtggca gctcttgccc tgctccacgc agacgtccag cagcgccccc cgcaggccgc      1140
acggctcgct gtaggccagg cgcagtagtt ctttgcccac ctggcttacc aactggctag     1200
gcatcagcag gcgcgcaggg cgtcgagagc ccagccgcgc ctgggccagg ctctcctgca     1260
gcagctgcat caggttggca cacaagtgtt catcctcagg gtcactgagc agctcgaagt     1320
cgggcaacga cacccatcc aggtaagccg tgtcttcctc cggcccgaag ccactgttgc      1380
tgctgtccag ggactcgcag tccgagctct ccaggctcgt ggagcggtca aacccctcct     1440
cccgggtcgc cgaccccag gctgagcgcg gcggccgatc tggggtggga gttcggggca       1500
aggacgaggg cgaagaggag gtggacgacg acgagaagcg gtcccaaagg ctaggcatgg      1560
tgaggacaga cgccagggcg tttgctgatg aactcagagt gccggagcgt agaagccgca      1620
gctagcgcgg tcagcgagaa ctgctaagac aagtgcgtcc tgccgcttga atgggtgtgc      1680
gaacccgtgc caaccaccga gagccgccca gacccgtccc aggtccacgc tcgcacctcc     1740
cccttggcc                                                              1749
```

<210> 8910
<211> 577
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (207)...(548)
<223> similar to gi4996098 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8910
```
tttaggggtg gagccggcag gaaatttaaa ctgaagccgc ggccgaaaac gccaagagat       60
tgatgctgta gctgccctga gataaccagg actgtggaat cgggaagagc tcatggagct      120
cgcgaatgta atacggaggc ctctgaggaa ggagtacgga ggccgagaag gagccggcat      180
ttgatgagcg aaccgggaaa gggagacgat tgcctcgagc tggagagttc catggctgag     240
agtaggctcc gggccccgga cctaggagtt tccaggtgtc taggaaaatg ccagaagaac     300
tcaccaggtg ccaggaagca tcccttttcc ggaaagtcct tttacttgga tctgcctgct     360
ggcaagaatc tccagttttt gacgggggcc attcagcaac tgggtggggt aattgagggt     420
tttctgagca aagaagtaag ttacatcgtg tccagccgca gagaagtaaa ggcagagagc     480
```

```
agtgggaaaa gccatagagg ctgccctagc cctagcccca gtgaggtcag agtggaaaca      540
tcggccatgg ttgattcaaa aaggcagcca ccccagt                                577
```

```
<210> 8911
<211> 1685
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1686)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1250)...(1685)
<223> similar to gi454158 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 8911
ggaggcagga ggaacatttt ctcttgttgc tctgccacat gttgcctcag ctcagccaat       60
tcagaaaccc agaatgtccc tacctgaaaa cctgaaactt cctattccta gatatcaacc      120
ccctagaaat agcaaagcat caagaaagaa acccatcctg atctttccta agagtggctg      180
tagcaaagct cctgcccaaa cccaaatgtg tcctcagatg tccccttccc cacctcacca      240
ccctgaactc ctgtacaaac ccagtccatt tgaggaagta ccatcactag agcaagcccc      300
agccagcatt agcacagctg cgctgaccaa tggaaatgac catggggact tgagaccacc      360
agtgaccaac acccatggca gtctgaaccc tcctgctacc ccagcatcat ccacaccaga      420
ggagcctgcc aagcaggacc tcacagctct ttcagggaaa gcacactttg taagcaagat      480
aacatctagt aaaccttctg ctgttgccag tgaaaaattt aaagaacaag ttgatcttgc      540
aaaaaccatg accaatttat caccaaccat tcttggcaat gcagttcagt tgatctcttc      600
agtccccaaa gggaaactgc caatcccacc ctactcaaga atgaagacaa tggaggttta      660
caaaatcaaa tcagatgcta acattgcagg tttttctttta ccaggaccta aggccgactg      720
tgataagata ccctccacca cagaaggctt taatgcagcc accaaggtgg caagcaggct      780
acctgttcca caagtgtcac agcagagtgc ctgtgaaagt gccttttgtc cacccaccaa      840
acttgatctt aaccacaaaa caaaactgaa cagtggagca gcaaagagaa aaggaagaaa      900
acggaaggta ccagatgaaa ttttggcatt tcaggggaaa aggaggaaat atatcattaa      960
taagtgtaga gatggtaaag aaagagtaaa aaatgatccc caagaattca gagaccaaaa     1020
gctggggacc ctgaaaaaat accgtagcat tatgcccaaa cctatcatgg tcatacccac     1080
tttggcctcc ctggcttctc caactacact acagtcccag atgcttgggg cctaggaca      1140
ggatgttttg ttaaataatt cactcactcc taaatatctt ggctgtaagc aagacaacag     1200
ctcttcccct aagcccagct ccgtgttcag aaatggattc tctggcatta agaagccttg     1260
gcacagatgt cacgtctgca accaccactt ccagttcaaa cagcaccttc gagaccacat     1320
gaatacacac accaacagac gcccttacag ttgtcggatt tgtcgcaagt cctatgtacg     1380
tcctggcagc ctgagcacac acatgaaact tcatcatggt gagaaccgtc tgaagaaact     1440
catgtgttgt gagttttgtg caaaagtgtt tggccacatc cgagtctatt ttggccatct     1500
gaaagaagtg catagggttg tgatcagcac tgagcctgcg cccagtgaac tgcagccagg     1560
agacatacca aagaacagag acatgagtgt gcgaggcatg gnagggatca ttgggagaag     1620
ggaaaacaag tccaacctgg aagaagactt ccttctaaac caggcagacg aagtcccaaa     1680
aatta                                                                 1685
```

```
<210> 8912
<211> 898
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (779)...(774)
<223> similar to gi5420389 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 8912
tttttttttt ttggaattaa ttactctttt attagcacaa aataacagca acctagcagc       60
cgcacggccc gagaataagt taaggcacag agcaggcgac gggcggcttt cccagggcca      120
ggcctgcatg ccccgaactt cctgagcaaa ctccctaggg gctggggttt cgaggggtcct     180
ggagggcctc ttcccttgag atgaggggaa cggaacaggg caagaggggc gcccccatgg      240
gcgcaagggg tccacgctgc gccgcgatca cttctcgaag tagggcaggt agaagaactg      300
gaagccccgg tggcccttga ccgcgcagta gatgaagatc acgtgataga ctccaggcac      360
caacaacagg aagcccggca cgaagaagat ggcgctggag acacctggag aggggggtcgc     420
ctccagtccc acgccgacca ggatcagcac cagccccagc agcaggagca ggaaggaggc      480
cagcaccact cggcggttct tctggatcaa agggtgttgg gtccagctgc agcaggtgtt      540
gtaggagcgc tgggtgctgc tgctgatggt gctgaaggac cactgggagc tgcggatgga      600
agttcggctg gaatccctgg tgccgactcc cccatccggc tccggagagg cctgggctcc      660
atcctcatcg ttctccaggt tctggtagcg cagccgggac tgcttgtcct cgtcagccac      720
ctcgaaccgg gcccgacgct cgaagtgcag cggcccaaag cgcgcgaccc cgctggactc      780
gggcccaggg cccccgtcct ccaggacag ctcgaaggca tcatcaatgc tgaactgggg       840
ccgggcggcg ctcatggccc cggcccgctc aggcgccgtg cgccgccgcc atctgcgc        898



<210> 8913
<211> 756
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (473)...(646)
<223> similar to gi2271518 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 8913
actccactcc ttacctctga ttagccttta cctgcactcc tatttctaat actttagtaa       60
aaaagtgttt cattcaaatg ttaactttaa acagcagaca gacacaaaaa ttagtaaagc      120
aaggtttaag gtcattgcat tccaatttat cacctccctt ttgtgtccct gttcagacta      180
```

```
tgagctccaa gaagatgggg accagagtgt ttggtacatt gctgaatccc catgcctggc    240
atagcccttg gcttacagaa ggcacttaaa aatatcagca aaggaaggaa gaaatgaagg    300
aaaagagcga ggaaaaccat ggtttccttg ataactgcta cgggctgagg ggccctccct    360
ataccattct ttcgtctgtt ctgccacgac cttgaatgtt acaccacaac tactctggtt    420
atacctcagg agttgattcc agaaaagatt tcactacaag atctcccggg tctctcctca    480
cttctaagca agtaactgag gccacattag tgttgcccca tttgccatcc agattcctaa    540
gatccaatgt ctgctgggat cgttcatgca attgcaatgc ccctcggcca ccctctcacc    600
agtgctccca agtcacctcc caaaacccct ctcaccagtg ctcccaagtc acctcccaaa    660
actcctctca ccagtgctcc caagtcacct cccaaaaccc ctctctaccag tgctcccagg    720
tcacctccca aaaaccccctc tcaccagtgc tcccag                              756
```

        <210> 8914
        <211> 3457
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (3437)...(0)
        <223> similar to gi3002527 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters

        <400> 8914

```
tttttttttt ttttttttca tcttccaaag ttttttaattc attggtttct agtatattca     60
caaagttgtg caaccatcat tccacaattt catcatcttc caaagaaagc ccgtccctgt    120
tagctgtcat gcctcttctc tcttcctcca gtacctggca accaccaatg tgctttgtct    180
ctgatacaca gatttgccta ttctggacat ttcacataaa ctcgtgattg gcttctttca    240
cttagcgtaa tatttgtagg attcactcag gctgtggcat gcgtcagaat ttccttcctt    300
tttatggggg ccaaataata tttccattgt atgggacagg aacacacttc atggtcttaa    360
atttcatctg tggggatggg acatttgggg ttggttgcct acccgtttgg acttttttgag    420
gtaatgctgc ctatggaacg cggggacccc agggtattgt gtggatggat gtttttcaatt    480
ctcttgggca tagacctggg aaggttatac ttttattgat attaatagtt ctgatattgg    540
acatccctgc tgtgtggttt cacctctcat ggactctgac ggctgctgtg ccttctctgc    600
tcggcaggcg gtgccctgag gcacaggtgg gcgtctgggg ctggaactct cgctaggcgc    660
tacaacttcc tctcctgccc tgtggcagag ccaagcccct tgcagggctg ttgccagcat    720
gggatgagtc tatgaaaaca cgtggcacgc agtaggtcca cagttaccac tggcagcctg    780
gcaagcctgg cagggcccgg acggcagatg cgcttcggtg ctgctgtgag tcttgtgttc    840
tgccttaggc agaaagtcct gggtttgtgt tttgtgaatg aatgacgcat gagtgtgcca    900
aatatccttt acgtgacaga agaggagagg gctggcttga ttgagtgtgg gggggaagaa    960
cctggatctt gtaatgtaat ttttgtttaa aaaaattagg gaaaaacccc aaatatgacc   1020
atttcctgcc attagcctgc agatgagcag ctgactcccc agtcccatcc ctccgcactg   1080
cttttccctg tcctgggtct gttctgttac atggagttcc tggggaagc cctggggacg    1140
gggcatctgc ccagggctca ctgctgttga aagtgaataa agaacgtccg gatttccttt   1200
gggtggacgg tgatgatggg gcctcctggt ggcctcgagg gagaggtggt gtcacctctg   1260
tggcggccag gccccgtcct ccagctccag cggtgcagca tgctcaaatc ccaggtccct   1320
gtgagcgagc gctcctccac tgccaccacg gaccccagcg cctgcagcac agcctgcagg   1380
gagaggagca gagggagagt gagctgcacc aagttccaga gctgagcaga gaaccaagac   1440
agcagcaggg cagacacacc acgaactcgg tgtcctcagg agcccaggtc ctcccctggt   1500
gcctgacaca gctccctcat ctgcttctca cagcacatct gcgaggacag gactggccgt   1560
gtactttaca gatgaggaca ctgaagcggg aggtgcatgc tttaccaggt ggccgagctg   1620
```

```
gaggagcagc ccgggaggtg tggcattttg agctgcccac cccaccgcgg agttctcctc   1680
tccccacatt gctcaggtgg ccccgtgccc agtccaggga ggaagccagc cacagttacc   1740
ccatccccct ttcccaatag gccttgtccc agcctccctt acacctaggg gaggcaggag   1800
gcccttaggg gtctggaaaa gtctgtggag caggaggggt gggggtggct cttggagaag   1860
cttctgtgtg ctgacggagg gagagagcca cgctagggca aggcctttct ggccactact   1920
gccgagcccc accctgcctt gaaatttgct catgagggag gcctgtgcca tcttgtgacc   1980
gcaaacaagc agacggcaaa agacaaaagc cagtctgccg gcgatggcgg gaagacgaca   2040
gtgatcgggc ccacggtgac agcgcttggg gtccatcgga catgcctgtt cggtgagaaa   2100
acactctgtc ctctgttcta agcacatctg ttaggtgttt tgtgacttgc agccaaactc   2160
actgcgttcc taactcaatg gtctttccac cccaccaccg tccacgttgg gcagggagtc   2220
atggtgtcca tcccaaccgt ctccttgtct cagggccttg gtgcttccat ctgtgaaacg   2280
ggggagcatc agatgaccaa cttccaggtc ccacgccggc ctccttgctt cccagggcag   2340
gctggccctg tgctgggcac tggtacccgc catggcctag acctgctctc aggcaggcca   2400
gggaccgtga ggaaaggatc ctccctggcg aggatcatga aagaggaggt gggtggccca   2460
gtaagacatc atggcgaaaa ggtactgggg cttctctgga ttcccctgaa gactcagatg   2520
tcgaaggagg cccaaggcag aaacacagag attcacagaa attctccatg agcaggaaat   2580
gaaatagaaa gaatgcaaac tgggaaagaa atgaggcggc tcaggtcatg ccttctgggg   2640
agggagcgtg ggcaggccag gtggcggaag cctcgcctga tagtagagct gagagggcaa   2700
catcagccaa gaggggaacc tggaagggga cgaggcctgg gggccctgac actgcacgag   2760
gcccctttagt gccagggcct ctcagcaacc ttctgggcaa agaactctca cctctcccca   2820
ttttacatgg ggggaaactg aggcccagag gcatggggtg ccggagatgc ccccgtagag   2880
gggcctgggt gtggaccctg gattgtcctg aactcctaag tcaacctttc caaaagcaaa   2940
ctctatgggg aatcctgttt tgtttttgga ttaacacaga tgttgtctgt gttttaaaag   3000
ttttacccac agaataaata agaaagaaaa tacaggccca ctcacgccct gtaatcccag   3060
cacttcagga ggctaagaca ggcagattgc ttgaggccag acgttcgaga ccagcctgag   3120
caacacagca agaccgtgtc tctactaaaa ataaaaaaac taggccaggc ttggtggctc   3180
acgcctgtaa tcccagcact ttgcgaggcc gaggcaggtg gatcacctga agtcaggggt   3240
tcgtgaccag cctgaccaac atggagaaac cctgtctcta ctaaaagtac aaaaaaatta   3300
gccgggcgtg gtggcacatg cctgtaatcc cagctactcg ggaggctgag gcaggagaat   3360
cacttgaacc tgggagatgg aggttgcagc cagctgagag cgcaccattg cactccagcc   3420
tgggggacga gagcgaaact cggtctcaaa aaaaaaa                            3457
```

<210> 8915
<211> 478
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (98)...(479)
<223> similar to gi938238 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8915
```
gcggggctga ccgtgcgctt cgcctgcggg gtcgtgctgg ggcggcgggt acgctatttg     60
aagaacaggt ttccatgctc ttagaggagc atcagaaaat gaacaaaccc cagaagtcca    120
gaaattaaga gacctgataa agggaagcca ggaaaatcga gatgcatatt tgtggtacac    180
ttcagttctc agtaacaaca cactgactaa gaagagggaa tacgtttttg ggaaaaacct    240
taatctgggt gcaaacccag tttcttcaag aaaaatagcc tgttagtatg actcatgtgg    300
aatgagtttg aatacgtttc agaatcaagt attagtgata aaaattatgc cagtaataac    360
```

```
actgatgaaa ttaatataag tgagaagttg ccttttgata gtaatcagga aaacactcat     420
actgggaaga aatctgttgt atatgaccaa agtgggaagt caccaagtca tagtgagg       478
```

<210> 8916
<211> 758
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (367)...(744)
<223> similar to gi206716 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8916
```
ttttagaaat acaccagtag taccggacaa accaatctcc aggaaccacc gggttgagcc      60
gccaaaacag gaatcaggcg cgcagcctcg gccagtcggg aagccactgg cacctatggc     120
caggcgagaa actgtttact ttctccaccc caccccagat gcacacaatg gagttgatgg     180
ctttggagat gagaagcgcc accggactgt taaccccgaa gggaagaaaa acaagcaacc     240
ctaaaccacg ctctgggcag ggctgttaat tgtgccggtg acaaatccga tgattaatgg     300
gcaggggcag gaggcgcggg gagacggcac gtccgttctg agctggctcc ggggcagcgg     360
cgcagcttcc caccccgggg ctgggccgcc gaccacgcaa cggttggagg gggctgagga     420
aaggggacgt cgaacccacc ccagccccac ggctcctttg tccccaaatc cgccgacggt     480
cctcggaccg cagctcccgc ctcggtgggc ttaagtttct ttgttgtgcg tgttgtcttc     540
tcctctccgt tttgccagct gggggggaagg gggcgccctc cgtccagccc ctaaagcctc     600
gcggggaacc gctgttagcg gccacccagc gcaaccacac cggtcccgcg gcggggccca     660
agcgcgaccg gccccggggc gctgccgagg ttccagcagc cccgacggcc ggactctgac     720
ccagggatgt ggggcccgcg tccggacgcg tgggtcga                             758
```

<210> 8917
<211> 1598
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1094)...(1598)
<223> similar to gi484219 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8917
```
ttttttttttt gtagcggata gccagtttta atgaacagag gatactgatt ggtataaaaa     60
ggtgtgtttg tcactgaggt gtcctcattt tctagatgag gagttgtctt ctccatggtc     120
```

```
ttgaacgcct gcttcgccat ggcaccagcg tctgggtgca cgctggctgt cgccacaggg      180
caggagctgc tcatggaaag gtgtgtgccc ctagtgtgca gcactggtca gcttttccac      240
atagtaacaa cagccttgtt ctgggcctga gaaggccccc aaaggtagac gaaaaggaac      300
catggccaaa tgcctatcaa tcagcccggt acctaatgta acccaggacc catgtgaggg      360
aggctgagcc ttcacctttc agcccttccc tcagcatgtg gttctcagtt tagggcagag      420
cttcttaaga ttcactttct ggcgtttagg ggcccagccc caccagcagt acaggcctac      480
accagtgtaa tttgaaacgt acagacggtg gaagaggaag tctagggagc ttgggtcctt      540
agaccaccag ggagcaggga agggatggga agggctgggg ggcggcgggg gctcaccttc      600
ctctgcttcc ctgtgggctg ggttcagagc tcctcagtgt cctggcctcc caggtgggat      660
caagcagggt gggtgcagct gcagcgttcc aggcaagagc tcaagctcca gtaccaggaa      720
cataagggga cataagggcc tcaggcaaac tagggttacg gccactgcc ccaagagttg      780
agtgggccac aagcaatccc cagtgcccag gcgcttcccc atgagagccg ccagcaggca      840
acggtgtgcc aggccggcct gagcggggcc agtacacagt gggtgcgagg cttctctcaa      900
atgcgcgctc cagctcatca gtcttagggc ttctgaggca acctagtggg tcctggactt      960
ctgttgctgt ggggcctcaa acctgttgag tagccacctc agatgaccag aacccacctc     1020
cagagttcct atgaccaaag ttgtctagag ccgctccgga cactgccagg gttgctactg     1080
acaggaatgg ggtccccaga gaaagccatg cccacaggca tccaccagct gcagacaggc     1140
ccggcccctg catggcctgc cttggctgca ccttgtacat cctggatggc atctgccggc     1200
cacgggctga gtccccacac acacagactg gccctggaga gagcaaggca agccccctaa     1260
cctgggacaa gtggacactg aggactccca gacccagccc tgggtggctc cagcttggga     1320
ctgctccctt aaggctcgtt cttggccctc actctcctcc ccttcctggc cctcatctgg     1380
acccgcgctt tctgctgcct tgtggtcctc tgctccagcc ctgggaggga acgcggctcc     1440
cctgacactc gaagccaggg aggcctctct cttttgcctgc tgggcccggt gccgctcttc     1500
agttctgcca gggctgctga ggcggcacag gccagagagg gaggaaccag ggctgagggc     1560
aggaaccaca gaggtgcaga cgcgggggcg gggcacag                             1598
```

        <210> 8918
        <211> 1940
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (128)...(1922)
        <223> similar to gi2832777 in the genepept database release 114,
        Run with FASTXY 3.3t00, default parameters

        <400> 8918
```
cttacgccaa gcttggcacg aggcggaaga acccgcagca gctcccagga tgaactggtt       60
gcagtggctg ctgctgctgc ggggcgctg agaggacacg agctctatgc ctttccggct      120
gctcatcccg ctcggcctcc tgtgcgcgct gctgcctcag caccatggtg cgccaggtcc      180
cgacggctcc gcgccagatc ccgcccacta cagggagcga gtcaaggcca tgttctacca      240
cgcctacgac agctacctgg agaatgcctt tcccttcgat gagctgcgac ctctcacctg      300
tgacgggcac gacacctggg gcagtttttc tctgactcta attgatgcac tggacacctt      360
gctgatctct ttttatttc cagattttgg ggaatgtctc agaattccaa agagtggttg      420
aagtgctcca ggacagcgtg gactttgata ttgatgtgaa cgcctctgtg tttgaaacaa      480
acattcgagt ggtaggagga ctcctgtctg ctcatctgct ctccaagaag gctggggtgg      540
aagtagaggc tggatggccc tgttccgggc ctctcctgag aatggctgag gaggcggccc      600
gaaaactcct cccagccttt cagacccca ctggcatgcc atatggaaca gtgaacttac      660
ttcatggcgt gaacccagga gagacccctg tcacctgtac ggcagggatt gggaccttca     720
```

```
ttgttgaatt tgccaccctg agcagcctca ctggtgaccc ggtgttcgaa gatgtggcca    780
gagtggcttt gatgcgcctc tgggagagcc ggtcagatat cgggctggtc ggcaaccaca    840
ttgatgtgct cactggcaag tgggtggccc aggacgcagg catcggggct ggcgtggact    900
cctactttga gtacttggtg aaaggtgcca tcctgcttca ggataagaag ctcatggcca    960
tgttcctaga gtataacaaa gccatccgga actacacccg cttcgatgac tggtacctgt   1020
gggttcagat gtacaagggg actgtgtcca tgccagtctt ccagtccttg gaggcctact   1080
ggcctggtct tcaaagcctc attggagaca ttgacaatgc catgaggacc ttcctcaact   1140
actacactgt atggaagcag tttgggggggc tcccggaatt ctacaacatt cctcagggat   1200
acacagtgga gaagcgagag ggctacccac ttcggccaga acttattgaa agcgcaatgt   1260
acctctaccg tgccacgggg gatcccaccc tcctagaact cggaagagat gctgtggaat   1320
ccattgaaaa aatcagcaag gtggagtgcg gatttgcaac aatcaaagat ctgcgagacc   1380
acaagctgga caaccgcatg gagtcgttct tcctggccga gactgtgaaa tacctctacc   1440
tcctgtttga cccaaccaac ttcatccaca acaatgggtc caccttcgac gcggtgatca   1500
ccccctatgg ggagtgcatc ctgggggctg gggggtacat cttcaacaca gaagctcacc   1560
ccatcgaccc tgccgccctg cactgctgcc agaggctgaa ggaagagcag tgggaggtgg   1620
aggacttgat gagggaattc tactctctca aacggagcag gtcgaaattt cagaaaaaca   1680
ctgttagttc ggggccatgg gaacctccag caaggccagg aacactcttc tcaccagaaa   1740
accatgacca ggcaagggag aggaagcctg ccaaacagaa ggtcccactt ctcagctgcc   1800
ccagtcagcc cttcacctcc aagttggcat tactgggaca ggttttccta gactcctcat   1860
aaccactgga taattttttt attttttattt ttttgaggct aaactataat aaaattgcttt   1920
tggctatcat aaaaaaaaaa                                                1940
```

```
    <400> 8919
agttcctggt ctctacaaca tttccttttc ttgggataca tggaggtgtt gagggaaagc     60
tgagagaatg aaggctctaa atccccagtg gaagcatgat atggcgaagc agagctggtg    120
ctgaattgtt ctctctgatg gctctatggg agtggatagc actgagtctt cattgctggg    180
ttttagcggt tgctgctgtt tcggatcagc atgccacaag ccccttcgac tggctcctct    240
ctgataaggg acccttccat cgctcacagg aatacacaga ttttgtggac agaagccggc    300
agggatttag cacaagatac aagatataca gggagtttgg ccgctggaaa gtaaataacc    360
ttgcagttga gagaagaaat ttccttggct ctcctctgcc tcttgcccct gaattcttcc    420
gcaacattaa gacttttggg acgtcgacct acccttcagc aaatcacaga aaaccttatc    480
aagaaatatg ggacacattt cttgctatct gctactctgg gaggagagga gtcactcaca    540
atttttgtgg acaagcggaa gttgagcaaa cgagctgaag gaagtgattc caccaccaat    600
agctcttcgg tcactctgga gacgctacat cagctagccg cttcttattt cattgacagg    660
```

```
gacagcaccc ttcggagact tcaccacatt caaattgcat ccactgccat aaaggtaaca      720
gaaacacgga ctggtcctct tggctgcagt aactatgaca acctagattc tgtcagttct      780
gttctgggtc agagtcctga gaataagatt cagttgcaag ggcttcaagt acttctccca      840
gactatcttc aggaacgttt tgtacaagca gctttgagct acattgcttg caattcagag      900
ggagagttta tctgcaagga aaatgactgc tggtgtcact gtggtcccaa atttccagaa      960
tgcaactgcc cctccatgga cattcaagcc atggaagaga atcttcttcg aataactgaa     1020
acctggaaag cttacaacag tgactttgag gaatcagatg aattcaagtt atttatgaaa     1080
aggctaccta tggaatttat tttcctcaac acatcttact attaatggca tttgtgggac     1140
aatgggttct aattttcagg cgccgtttat ggaaccaact ggggaacagc atgaaacaac     1200
ttttcctaaa ggcgcagaaa attgtacaca agcttttag gccttagcaa gaggtgtcat     1260
aaacaacccc tcatcagcct gccaagacaa agaacctcaa cctactggct tactcgcatc     1320
cagtcttttc tctactgcaa tgagaacggc ctcctaggca gcttttcaga agagacgcac     1380
tcgtgcacgt gtccgaatga ccaggtggtc tgcaccgcgt tcctgccctg cacagtggga     1440
gacgcctctg cctgcctgac atgcgcacca gacaaccgca cccgctgcgg cacctgcaac     1500
accggctaca tgctcagcca ggggctctgc aagcctaag tcgccgagtc caccgatcac     1560
tatattggct ttgaaactga cctgcaagat ctcgagatga aatatctgct gcagaaaacg     1620
gacagacgaa tagaagtcca tgccattttt atcagcaatg acatgcgcct caatagctgg     1680
tttgatccct cctggcgtaa gcggatgctc ctcaccttga agagcaataa gtacaagtca     1740
agtctggtcc atatgatttt gggtctctct ttacagattt gcttaactaa aaacagcacc     1800
ttggagccag tgttggctgt ttatgtcaat cccttcggag gcagccactc tgagagctgg     1860
tttatgcctg tgaatgaaaa cagctttcca gactgggagc ggactaagtt ggacctaccc     1920
ctgcagtgtt ataactggac attaactctg gggaacaaat ggaagacatt ntttgagaca     1980
gtacacatct acctgagaag tcgcatcaag c                                   2011
```

```
        <400> 8920
ttcatggtcg acccacgcgt ccgctggggg atccagtgac gtgcccatcc acttagacca       60
ggtgagactg gctgatggtg tctggggctg catgtgactt agttggggga cctgctcttg      120
gcctccagac tgggcctgat ggcgtgggcg cctgcctgtg tgcaggccca agggctcagc      180
tgcctctgtc tgttcccaga cccctcctcc tgtagagagt ggtgctgccc tctcgggatg      240
tacctgcagg tggagacccg caccagctcc cgcctccatc tgaagagggc tccaggcatc      300
cggtcctggt ccctgctggt tggaatcttg tcgattggcc tggctgctgc ctactacagc      360
ggagatagcc tgggctggaa gctcttctac gtcacaggct gcctgtttgt ggctgtgcag      420
aacttggagg actgggagga agccatcttc gacaagagca caggaaggt tgtttttgaag      480
acgttcagcc tctacaagaa gctgctgact cttttcagag ctggccacga ccaggtggtg      540
gtcctgctcc atgatgtccg tgatgtgagc gtggaggagg agaaggtccg gtacttcggg      600
aaaggctaca tggtggtgct ccggcttgcg acgggcttct cccacccct cacgcagagt      660
gcagtcatgg gccaccgcag tgatgtggaa gccatcgcca agctcatcac cagcttcctg      720
gagctgcact gccttgagag ccccacagag ctgtctcaga gcagcgacag tgaggccggt      780
gaccctgcaa gccagagctg acagccccac tgtgcctgag cccgtgcacc gcccacagga      840
```

```
cccatggcac attcccggtg tgcctgagcc cgtgcaccgc ccacaggacc cgtggcacat     900
tcccggtgtg cctgagcccg tgcaccgccc acaggacccg tggcacattc ccggtgtgcc     960
tgagcccgtg caccgcccac aggacccgtg gcacattccc ggtgtgcctg agcccgtgca    1020
ccgcccacag gacccgtggc acattcccgg tgtgcctgag cccgtgcacc gcccacagga    1080
cccgtggcac attcccggtg tgcctgagcc cgtgcaccgc ccacaggacc cgtggccttg    1140
gcttcagttg gtgcctccag ccgagttggc ctattgcctg ctcatgctgc tgcttgcaca    1200
ctgcatgaaa cagcaggcca gaccaggaca tccagacttt ctccatcgtg aggcctgggc    1260
ctgcctttct gcagccggag gtctcgccag ccctggactc ctgctttggg ccacagcaag    1320
acctcgggcg agtggagagg cggggccagg ccgggccctt gtgggtgctg atgctgcatg    1380
ttgtccccga cacagcgtcc tctccctggt ggacatcccc agcggtcagg tgcttcccca    1440
agggcagtga ggggtgaaca tccagggcct acctggctgt gcacgctgca gccacactgt    1500
ggaagctgcc cctccccgag gacccgcctc ccttgctgat gccaggatct cggcgcatag    1560
accactctgc cccagcggtc gtcacagaaa ggtctctctg ttcctcacac tcagcttcag    1620
cataagctgt gaggccagaa aaaaggtcag ctcttctagt atcgtgcagt gcttaaaaac    1680
cgggagctcc agccgggcgc agtggttcat gccagtaatc ccagcacttt cggaggccga    1740
ggtgggagga ttgcttgagg ccaggagttc aagaccagcc tgggcaacac agcaagatcc    1800
tgtctttgta aaaaaactaa ccaaacagga aaaactggga gattttctgc agaaattgag    1860
ttccagcctc tctcgaacct gggaagacct ggcaggaggg ggctgggctc tcggctacag    1920
acttctcccc accccgtagg agctgaacgc caaccatcct gacccgccag tgctcttggt    1980
ctcctgagtg tacccaggtc ctcccaggtg cggtgtgcac cgagcgcgcc tggcctgatg    2040
ccctggcctg tgagctgggg actcctgggc cctgtgagcc cctaggcggc aggcccagga    2100
atggctgggt aggacaggga acacctttgc cccacgtctg gctgtgacct cggtgaaagc    2160
cgacaggaga gagatgggac cctcctcctc agtagtggct gccagtccct cgttgcagga    2220
cagggtcatc ataaccataa ataacccttc acgtgtcacc tgcaaaaaaa aaa           2273
```


        <210> 8921
        <211> 984
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(985)
        <223> n = a,t,c or g

        <220>
        <221> misc_feature
        <222> (310)...(984)
        <223> similar to gi1049301 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters

        <400> 8921
```
aagggacatg aaagtatcct ttgagataat ctttccattc atcagtgttt atctagcatc      60
tgctcaagag tgtgctgcag tggagggaaa tcagatgacc tcccagtctg gttgtgttac     120
atacaatcat gtgtaagaag tgccattcaa gccgtgtcac tggaggggac tgacagtgag     180
tgagtgtgga taaagaggac ctcctggggt gggcaatgtg agccctcaga ctctgtaggt     240
attgcatttt gcagtgaaca ctggtagaca tgttttgtgg ctcaagccag catgtgtgtg     300
atggtttagg attcagtgac ttttgatgat ctggctgtgg acttcacccc aaaagaatgg     360
actttactgg acccaactca gagaaacctc tacagagatg tgatgctgga gaactacaag     420
aatttggcca cagtaggata tcagctcttc aaacccagtc tgatctcttg gctggaacaa     480
```
```

```
gaagagtcta ggacagtgca gagaggtgat ttccaagctt cagaatggaa agtgcaactt    540
aaaaccaaag agttagccct tcagcaggat gttttggggg agccaacctc cagtgggatt    600
caaatgatag gaagccacaa cggaggggag gtcagtgatg ttaagcaatg tggagatgtc    660
tccagtgaac actcatgcct taagacacat gtgagaactc aaaatagtga gaacacattt    720
gagtgttatc tgtatggagt agacttcctt actctgcaca agaaaacctc tactggagag    780
caacgttctg tatttagtca cgtgtggaaa aagccttcaa gcctgaaccc agatgttgtt    840
tgccagaaga accgttgcac aaggaagaag aaagcttttt gattgcagtt gactctgggg    900
aaatccttcc attaatccat tcacaccttc cagggacatt taagaactcc acnatgggag    960
aaagtctccc atggaaatgg gaag                                           984
```

```
<210> 8922
<211> 488
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (206)...(475)
<223> similar to gi65184 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters


<400> 8922
aacaccagag tttttaagag atgttagaag ccctgggagc actgaacaaa ccagaaagct     60
cccgaccctt gatccctgag ctccacctag caagtaccgc ggcagctaac ctgggagaat    120
accccaacca acagagactg aaattcgcct cccgagagag taagtggata attctaacct    180
gtccctaaac atggcctcac aaaggaaaac taaccgttgc gaacggaaac aactgaccgg    240
acagaacaca gccacaaaac acgagcccgc accctgaatt acaaaaacac ttacggctca    300
tctactattc gcaccacaaa agcgccaggg gaaagcacga acgcagcccc ccactatcac    360
aaattatgca gtcgagtttc ccacatttgg ggaaatcgca gaggtcagca catctggaac    420
gcaatggata agccgcgacc atgagaaaaa cgccttcatg atcatggtat ctcccgtcga    480
cgcggccg                                                             488
```

```
<210> 8923
<211> 819
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (48)...(776)
<223> similar to gi1732073 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters
```

<400> 8923

```
acactggtgc gcctggcgct gggcactgca gagcagcgag gggcctgccc tggcctcctg        60
gagacactgg gagcccttcg agccatcccc cccgcgcagc tgcaggagga ggccttcatg       120
tcacaggtgc acagcgtggt gctgtcagag cgggacctgc agcgggagat caaggcccag       180
ctggcccagc tgcccgattc cgcgccggga ccccccgcccc ggccacaggt ccgcctcgcc      240
ggggcccaag ccatctttga ggcccagcag ctggcaggag tgcgacgagg cgccaagcct       300
gaggtgcctc ggattgtggt gcagcccccg gaggagccca gaccaccgcg gcggaaaccc       360
cagacccgcg gcaagacttt ccatgggctc ctgactcggg cccgggggccc ccccatcgag      420
gggcccccca ggccccaacg aggctccacc tccttcctgg acacccgctt ctgagaggac       480
catggactta gtgtcccccca gtctcaattg cctgatggct gatgccagcc cggcaaatag      540
gcaccgcact ttactcttgg gactcgggga cttggcttcc ttcctggcaa ggaccaggca       600
gtggggaagg aggaggtcct ccgtggtaca tactgggtca ggcactagca tggaggaggg       660
tcacagagtg gggcacgtga ggacccatgg aaccgttctg gtgcccaggc cctcacaagt       720
accaaagcca gcaccaaagg agtcagggaa gggcgttggc tgagtcaagg accccagag        780
ggcaccagga ataaaatctt cttgaacaga aaaaaaaaa                              819
```

<210> 8924
<211> 483
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(484)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (185)...(429)
<223> similar to gi5305443 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8924

```
tttcgtagcc ggtgctgctg caggctgagg ctgcggcaga ggcggcgagg cgcgggcggt        60
gaggacggac agtcaccgac ttagtccagt tccctgtgat ctcaaaacaa ttgttgcagc       120
aggctcctgg cagtctcaag cagttcatct tcttggtgta ctggtttcct attgtgattt       180
tatcatggaa aatcaattgg ctaaatcaac tgaagaatga acatttcagt accaggattc       240
tcttccatca ctgcctgttc cttcacttga agaatcatta aaaaaatacc ttgaatcagt       300
gaaaccattt gcaaatcaag aagaatataa gaaaactgaa gaaatagttc aaaaatttca       360
aagtgggatt ggagaaaaat tgcaccagaa attgcttgaa agagcaaaag ggaaaaagga       420
attggggtat ttgtttgtta taattgaatt attgatgatg ttttaaagat tgataantaa       480
aag                                                                    483
```

<210> 8925
<211> 906
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (45)...(644)
<223> similar to gi183233 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8925
gtggcactcg gccggaactc ccgggtcgac gatttcgtgg aagcctcgcc tggggggcgg   60
cagtggcctg ggcggctctc cggctgctgt tgtatggctg cacgttggcg ctaccggacg   120
ggatgctgta tccccgagag agcccgtcgt ggcagcgcaa gcagctggac ggcctctgaa   180
gcttccgcgc cgacttctcc gacaaccgac gccggggctt cgaggagcag aggtaccggc   240
gaccgctgtc ggaggcgcgg actcggggca gggccaggag tcgcccggaa gcccggcggt   300
gggaatgggt caggccccac cgtggacatg ccggttccct ccagcttcaa cgacatcggc   360
cagggctggc ggctgcggca ttttgtcagc tggttgtggt atgaacggga ggtgaccctg   420
ctggagcgat ggatccagga cctgtgcaca agagtggtgc tgaggattgg cagtgcccac   480
ttctatgcca tcgtggtatc ccaagggtta ctttgtccag aacacagact ttgacttctt   540
cagctacgca ggactgctgt ggtctctgct tctatacacg acaccccca cctacatcga   600
tgacgtcacc gtcaccaccg gcgtgaagcg agacagtggt gagggcttct ggactggatg   660
gaggacctga agacgtgagg tggaggcaca ggtagaagag aagattctca ccatcgctga   720
ttcacacaaa agcatttctc caagtggttg cagatgacat gatttcccaa agtgttagag   780
ctgaagtgtg tttccttgtg tatatatact gtggttcctt tatcccttca tctgtggata   840
gacagacaga gtcttgctct tgttgcccag gctggagtgc agtggcgcga tttcggctca   900
atgcac   906

<210> 8926
<211> 771
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (346)...(773)
<223> similar to gi4589622 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8926
gagcgcggac ggcggcggga gcgcgcgaga agctctagga cccagcagcg gttgtcgggt   60
ttggggctgg aggtgaagcc ctgtgtgaat ggggttgatt gtccggcgcc acttccccgc   120
gctgcccggc agccgtcttc cccagccgag ggactgaact agccatgatc gcctcatgtg   180
gagggcaaag ttgcgccggg gaacttgtga gcctgcggtg aaagggtccc cttctgcttg   240
ttatagcccc agtagtcctg tccaggttct agaagactcc acctactttt ccccagactt   300
tcagctctat tctgggaggc atgaaacatc tgctttgacg gtggaggcaa ccagtagcat   360
cagggaaaaa gttgttgaag atcctctttg taacttccac tccccaaact tcctgaggat   420
ctcagaggtg gaaatgagag gttccgagga tgcggcagct ggaacagtat tgcagcggct   480
gatccaggaa caactgcggt atggcacccc aaccgagaac atgaacttgc tggccattca   540

```
gcaccaggcc acagggagtg caggaccagc ccatcctaca aacaactttt cttccacgga    600
aaacctcact caagaagacc cacaaatggt ctaccagtca gcacgccaag aaccgcaggg    660
tcaagaacac caggtggaca atacggtgat ggagaaacag gtccggtcca cgcagcctca    720
gcagaacaac gaggaactgc ccacttacga ggaggccaaa gcacagtcgc a             771
```

```
attttgcggg aagaggaggc gctgtacctg cagtgctgct tttcttgcct agactctagg     60
aactatccga gctccactcc ccacaacata ctcaaaggaa cggagagaac cgggaccccc    120
cctgcgggga cccggaactg atctgacagg atggcatctg atgactttga catagtgatt    180
gaggccatgc tggaagctcc ctataaaaaa gaagaggatg agcaacaaag gaaagaagtt    240
aaaaaggatt atcctagcaa taccaccagc agcaccagca acagtggcaa tgagaccagt    300
ggaagcagca ccatcgggga gacaagcaat cgtagtcgag atcgggatcg gtatagacgg    360
agaaatagtc ggagccgaag tccaggtcgg cagtgtcgtc accgtagccg tagctgggat    420
cgtcgacatg gtagtgagtc gcgaagtcgg gaccatcgtc gtgaggatcg tgtgcattac    480
aggagtcctc cacttgccac tggggagcca gttgataatc tgagtcctga ggagcgtgat    540
gcccgcacag ttttctgtat gcagttagct gcccgaattc ggcctcgaga tctggaggac    600
tttttctctg ctgtaggcaa ggttcgcgat gtacgtatca tctcagatcg gaactcacgt    660
cgttctaagg gcattgccta cgtggaattc tgtgaaatcc agtctgtgcc actggccatt    720
gggctgactg ggcagcggtt gctgggagtg cctatcattg tacaggcttc acaggcagag    780
aaaaaccgac tggcagccat ggccaacaac ctgcaaaagg gcaatggtgg accaatgcgc    840
ctctatgtgg gttccctgca cttcaatatc actgaagaca tgctccgggg catctttgag    900
cccctttggta aagtgagtag aagtgagaga aacctctgaa gggaattgga agaagtgggg    960
agggtgagtg tttgagtgta cttctctgtt gtgcctggcc gtgattaact tgctgcatac   1020
gtcatagtgg gcatatgagt ctatgctgtg aaagtttggc tccatctctg ttcatgtgct   1080
tggtggacaa ataagttaga cacaaatcaa ataataggcc aggttaagaa agattaaaaa   1140
atacaaaaat tagccaatgt ggtggtgcac gcctatagtc ccaactagtc gagaggctga   1200
ggtgggaggg tcacttganc ctgggaggtc aaggctgtag tgagcctcgg aaaaaaaa     1258
```

7433

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (314)...(585)
<223> similar to gi2104910 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

        <400> 8928
tttcgtggaa aagagctggc tggaagacac atactctctg aagatcaagg gggaggccgt   60
ccgcgtacta catagcagtc acgtgaggct gggacaattc ctgtttacag agaactataa   120
aagccctgcc ccctcctcac ttggggctga tgccattcta ggcctcagtc tgtctgcatc   180
caggtgctta ttaaaacagc gtgttgctcc acaccgcctc gtgttgtctg ttggcgcgct   240
ctccgggttc caaccaatgc aagagccttg gggctggccc tgaaacctgc gaggggcttc   300
cgtccacgtc cccagtggac ctaccacccc tccatctggg aaagcaggcc acagcagccg   360
gacaaaggaa gctcctcagc ctctagtcgc ctctctgtgc atgcacatcg gtcactgatc   420
tcgcctactg gcacagacgt gtttatcggc caaactgacc ctcacaaaaa gctaccaccg   480
aagtggacag gcccctacac tgtgatactc agcacaccaa ctgcagtgag agtccgagga   540
ctccccaact ggatccatcg caccagggtc aagctcaccc ccaaggcagc ttcttc   596

        <210> 8929
        <211> 417
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (109)...(390)
        <223> similar to gi804810 in the genepept database release 114,
             Run with FASTXY 3.3t00, default parameters

        <400> 8929
tttcgtaaat aaacaaataa accccacatc cattcctggt aagggaaaac attcttacgc   60
atccagggat aaaagaagat ttattttatg acagaatact ataagaaacc agtagtaaat   120
atcatatatg atgtatcatt tattgataag aaaccaatag caaacataat acataacggc   180
ataaccttac cagtgtcctc attaaagtaa aaaaaacgag acaaagatgt ccactgtcat   240
ctccactatt caaccttgtt ctggagtttt cagccaatac agtagaagac caggaaaaag   300
aaaaaagaag tacacatatt ggaaaagaag agttaaagtt ggcattaata acagatgatc   360
tgattgtcta cctataaaat tcaagataat tcatgataac taatactaga gttcaga   417

        <210> 8930
        <211> 635

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (146)...(626)
<223> similar to gi3702111 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

        <400> 8930
gctgaagaga cctggagccg acagacgggt ctgggtctgc cgcccaggat ggagtacaat   60
ggtgtgatct tggctctttg caacctctgc ctcctgggct caagccttcc tcccacctga   120
acctcccaag tagcgggact gcagggtgaa ggccatgccg cctcctggga aagttccccg   180
aaaggagaat ctgtggctac agtgtgagtg ggggtcctgc tcctttgtgt gctcaaccat   240
ggaaaagttc tttgagcatg tcactcagca cctgcagcag cacctgcatg gctctgggga   300
ggaggaggaa gaggaagagg aggatgaccc acttgaggaa gaattctcct gcttgtggca   360
ggaatgtggc ttttgttctc tggacagttc tgctgacctc atccgccatg tctacttcca   420
ctgctaccac accaagctga aacagtgggg gctgcaggcc ttgcaaagcc aggctgacct   480
tggcccctgc atcctggact tccagagccg gaacgtcatc cctgatatcc ctgaccactt   540
cctgttgtct gtgggagcac tgttagaatt ccttcgacaa tcctgagtgg ttttatcggc   600
atgtggaagc acacagtctg tttctgtgaa tacga   635

        <210> 8931
        <211> 461
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (15)...(461)
        <223> similar to gi5726236 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters

        <400> 8931
ttgcctcttt cactatgggc aaacttccac cctccattcc tccttcttct cccttagcct   60
atgttctcaa gaacttaaaa cctcttcaac tctcacctga cctaaaatct aagcatctta   120
ttttcttctg caactcctct tggccccaat acaaactaac aatggttcta aatggccaga   180
aaatggcact tttcatttct ccgtcctaca agacatagat aatttttgtt gaaaaatggg   240
caaatggtct gaggtgtctt acgtccaggc attttcaca cttcgttccc tccatagtct   300
ctgttcccaa tgcgactcgt cccaaatcct ccttctttcc ctcacacctg tcccttcagt   360
cccaaccacg agcgtcgctg agtcttgtga ataatcctat tctgctgaac catctgacct   420
ctcaccttct tcccagactg ctccacgaaa tcgtcgaccc g   461

<210> 8932
<211> 1039
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (658)...(1039)
<223> similar to gi200543 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8932
tttggggggg cagtatcatt ttaactaggg aggagaggga aggcttccct taagaggtga   60
tatttcaact caaggatggt aaagagggaa gccacaaaga cactcgaaat aaaggtttca   120
gggaagggac agacagcagg ggtggcggag aggtgggtgc ggggcaggag ggccatgaag   180
gcgctcgtgt ctcctgcgag ggctcagggt gctcggcctg tcataaatgg acttaggctt   240
tgacagagca gtttagctgc cctaaagaaa cctgggaagg ttcccttggc acttgggatt   300
gtccgtttcc ttttctgtct atgtgcgctg tctatgctgg acttgagata attctccgga   360
gtccgactca ccaggagact cgggtgtcac ccagattgac cttcaaggct catttcttgt   420
cagtccagta cccgtcccct cggttcacac gaccatccag aaacctcaaa ttcagtccat   480
gcttcttgtt ttgggtctcg gggctgggat aaggcggggc tgaccaccgc ggggcatgta   540
ggtagtttcc gtggtgctgg gggcgctctc cagggaagac tacttggtct gcagaaaagg   600
ccttgacttg tgcatacctg ggcagcgggc ctatgagtgg cagcgagagc ggggtaacca   660
gagagggcac accccccaac cggagcgccc cccaggttgg catctccaca actgtagaac   720
ctcccccatc agggcaaccc tcccgattgg gacaccgccc ccagccagac acatcctcct   780
agcagaacac ccatgcttag ccggagccgc tcccccgcca gacacctccc caccgggaaa   840
ccctccccag tgggacaccc cagccagtcc aggtattccc gccgttaggg acacccccTC   900
cagccggagc ataccctcgg cagggcatt cctctcaacc gagggaacac cgccgcaacg   960
ggaacctgcc tgaaccagag caccataacg cgccggggac accccacagg cggctcccgc   1020
gcacgaagtg gtcgatccg   1039

<210> 8933
<211> 825
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(826)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (578)...(807)
<223> similar to gi1247388 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8933

```
ggtgctgcct gggctgggct ccagctcaca ccctccctaa aaggaaatgg gagaaaggac      60
cggccaaaca agagggttaa ggttagagaa gggggacaca aatgtcttca ggcttaggtc     120
cctgggggct cccagtcctg cccctgttcc tctactcaca tcccagctcc tcccagtttc     180
ttttcggacc tcctcctctc cccttccttc tntattccag gctgggttgg gctctaagca     240
aggggaggga ttagagcctc cttcctctct gcccctcccc atgggtctct aggggctgg     300
tgcaggcagc agcagaggca ctctgggcag ctgggtgagg gcccatctgg gcaaggcccc     360
cagcgcctgc cttctctccc ggggccctgt gggcaagcct cctgcttcac tttcaggttt     420
ctcgaagtgc cttcttgctc ctgtctgttt ccccatcctg ccagatttct gtttctcttg     480
ctgggctttt ggcagtaggg ggctgtgttg gtgggccta cgaagatgct cagtgctcga     540
gatcgccggg accggcaccc tgaggagggg gtagttgcag agctccaggg cttcgcggtg     600
gacaaggcct tcctcacctc ccacaagggc atcctgctgg aaaccgagct ggtaacagct     660
gcctcccaac ctggtgcctc catctccctg accccggct cctggccagc cttatgccag     720
cccccagctc acccttcagt agcctccttc cccaagccct ctggacacct ctcctgcccg     780
cagctgcccc ttcttcgtct cctactctgc cttcttgctg cctca                    825
```

<210> 8934
<211> 1131
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (826)...(1133)
<223> similar to gi2429362 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8934

```
gagtggtaaa attcacagaa gttccaggtt catcatgtca ggatcattcc ttgtgcaaag      60
tttgatgtag atgaagataa agtggtttct tggtcaataa ttgcaattgc tttctttttaa     120
agtcagtggg tttcttgtat agttctatta caattggccc aagtttaatt tcatccatct     180
ccatgaaagc aaaacacttg gtgctggtaa acctttttttt aggcttgtag tgtttgaatt     240
caaagaagat agctgcacct ttggttaatt tttcaacatg cttctggagc tcaatgtcca     300
cattaaaatg aacatatgta tcttctttc ttgaagccac aggagtatct tgcacaggag     360
ttaagtctat gccattcaga tcctttacac taactgtaat ataggggattg atgcactgcc     420
cagcatcttt caaaccaatt ttctcaattc tgatagtgag taatgtcatt cctggttccg     480
atggcaacct tggtaataaa gtaccgggaa ctctagcagg aaaagaatca ggagaccctg     540
ctccagcacc accctcttct tcatcttctt caaattccaa attctcttct tcaccaggtg     600
ccaaaattct tcttaatggg acaggctgaa catcaaatgg gaattcttta ttatatgtaa     660
gaatattctt taggattggt tctagcttct tcaggtcctc cagtttaaat tcttcttgag     720
actgtgtgga ctgtaaagct gcacttcgca attccaagca tgttgcaatt ttgcctatgg     780
ttttcttttg ttcttctgtg aattcagaat tattgtgttg agcttgggcc tccttttgta     840
gatgtcttgc taatatctga tactcgtcta tcgcctccac cagctggccc caagagtcga     900
agtcggcgcc tctcctaaaa ctggcgcccc agcgctgcag cagactccgg gtcacctccg     960
acatggccgg tccccacccc gtcccctccc gcccctaccc cagcaaggcc gggttctagg    1020
gcgccatcct ccccggcct ggccccgaca ttaacagggc caggaggaac cgctacggcc    1080
accaccgcca cccgccgagg agccgcccaa gcccatttgc cgcccatgta t            1131
```

<210> 8935
<211> 716
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (407)...(709)
<223> similar to gi1330342 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8935
agagatctca ggccgcagct ttgctttcct catgctcttc ctggctgggg cgtctgggtc   60
actcactgga ctctcctctc cttagacctg tgcacaagca cacacgggaa ggcatcctga   120
caggtggtgg gaagagaagg cagctgcctc actgcggaaa gagcacggcc gctcctggac   180
tccagccctg ttggggctgg cggggtcagc aggcgctggg ttccagcctc aggtggggtc   240
tttggaggtg gcctctgggc acaggcacct cctctgcggc cttctcacca ggtcacggtt   300
cagggaggct ttgccggcta cggagcctgc ccacaccaag gcgcgcacga ccacctgtcc   360
agagatgcca cgcgggctgg gcggcgaagg ccaaggacac gccctgcctg gtgtcggggg   420
caaaggttag gcctggaagg gaggtgtggg gtggggaccc cgaggccagg gctgggccgc   480
tgagcttcag ggcccttggg gggctcaggg aggaatgccg gaggacccca gcatcaggag   540
gaacccctgg agagctacgg caggactcac ctgtggggca cagggaggga tcaccaggga   600
aatggccctt gtggaggatc tcccctctac ccccagggca ccaggggagg atctactagg   660
gggttctggt ggaagggccc acccgggaag cggcgcgcgg ggaggactcg acgaaa   716

<210> 8936
<211> 876
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (443)...(840)
<223> similar to gi5824892 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8936
attcccgggt cgacgatttc gtcatgagtg tactgctgag gtcaggtttg gggccgttgt   60
gtgccgtggc gcgcgcaggt aagcgtcagt cccctcgaag cccggttgcc gtggaagccg   120
cgtggggcgc cttcctcagc tcttcagttg agggtaccgg gggatcaagg gctcgggggc   180
tcacttccac cttgaaggta ccctgggctg gaaacgggtc cggtacaaac gcaatagggc   240
tgcgtagtcg tgggcaagtg ggtgctgtct ctgcgccccg tgggcgtgct aagcacagta   300
gcccgcggtc tgcggtgggg cgaggttaag ggttcacgaa gctgttttga aaacgctcag   360
gcggcttgcg ctcgtgaatg gtcagattta tcatgggtc tgtttaattt gtgtttttcg   420
cagccattcc ttttatttgg agagggaaat acttcagctc cgggaatgag cctgcagaaa   480

```
acccggtgac gccgatgctg cggcatctta tgtacaaaat aaagtctact ggtcccatca    540
ctgtggccga gtacatgaag gaggtgttga ctaatccagc caagggttat tatgtgtacc    600
gtgacatgct aggcgaagaa ggagatttca ttacttcacc tgaaataagt caaatctttg    660
gggagctact aggtatatgg ttcattagtg aatggatggc cactggaata agcacagctt    720
tccagctggt ggaactgggc ccaggtaggg gaaccctcgt gggagatatt ttgagggtgt    780
tcacttgact tggatctgag ctgattaaac gggacatttc tggacatttg tctgaagtag    840
ttcatatcaa tagtggagag tcatacattt actctg                             876
```

        <400> 8937
```
tttcgtggga gagtaggcgg agcagggcgg tgcggtgtgg cgtagagctg gagggcgatg     60
gtggcggagc tgctgggggc ggaggcaacg tagccccctc ggaaaaggag cccggcggcg    120
cctgagccca gccgaggatg gagaaccggc ctgggtcctt ccagtacgtc cctgtgcagc    180
tgcaaggggg ggcaccctgg ggcttcaccc ttaaggggggg tctggaacac tgtgagccgc    240
tcacagtgtc taagattgaa gatggaggca aggcagcttt gtcccagaag atgaggactg    300
gtgatgagct ggtgaatatc aatggcactc cattatatgg ctcccgccaa gaggccctca    360
ttctcatcaa aggctccttc cggattctca agctgattgt caggaggagg aacgcccctg    420
tcagtaggcc gcactcatgg catgtggcca agctgctgga gggatgccct gaagcagcca    480
ccaccatgca tttcccttct gaagccttca gcttgtcctg gcattctggc tgcaacacaa    540
gtgacgtgtg tgtgcagtgg tgtccactct cccggcattg cagcaccgag aaaagcagct    600
ccattggcag catggagagc ctggagcaac catgccaagc cacctatgag agccatctgt    660
tgcctattga ccagaacatg taccctaacc agcgtgactc agcctacagc tccttctcgg    720
acagctcaaa tgcttctgac tgtgcccttt ccctcaggcc agaggagcca gcctctacag    780
actgcatcat gcaaggccca gggccaacta aggcccccag tggccggcct aatgtggctg    840
agacctcacg aggtagtcgg tgcaccaatg ggggccacct gaccccagc tctcagatgt    900
catcccgtcc acaggaggga taccagtcaa ggccccgccc aagcagtcag gggcccacca    960
caaccttcca tgatgcggtt acagccttca agcctccaga acccaacttc tcaatggaga   1020
gcagcgcacg gcaatctgaa cctgtggtcc ccttgcccag aaggagaaac tgagcttaaa   1080
gcctgggctt c                                                       1091
```


        <210> 8938
        <211> 1191
        <212> DNA
        <213> Homo sapiens

        <220>

<400> 8938
```
tttcgtgtga ctccgtgggc ctggcgtgga ggcgggggcg ctaggctgca gctggctcgg    60
aatcggggct ggtttcctgt ctggaaggga aggggcctgc agaagggagc ggggacagca   120
gcagacaggc acacccctgc cttcctctct ccctctcctc ccttctctgg aaaagcgagg   180
acacggagtt gcagaggaag ctagaccatg agatccggat gagggaaggg gcctgtaagc   240
tgctggcagc ctgctcccag cgagagcagg ctctggaggc caccaagagc ctgctagtgt   300
gcaacagccg catcctcagc tacatgggcg agctgcagcg gcgcaaggag cgcaggtgc    360
tggggaagac aagccggcgg ccttctgaca gtggcccgcc cgctgagcgc tcccccctgcc   420
gcggccgggt ctgcatctct gacctccgga ttccactcat gtggaaggac acagaatatt   480
tcaagaacaa aggtgacttg caccgctggg ctgtgttcct gctgctgcag ctgggggaac   540
acatcccagg acacagagat gatcctagtg gacaaggacc ctcacagaca tctcctttc    600
agagcaaatg tgctcttcgc tgaggcgggg gccagacttt tgaacttgcg gtttagagct   660
gtatggggcc tgtgtggaag aagagggggc cctgactggc ggccccaaga ggcttgccac   720
caaacttcag cagctccctg ggccgctcct cagggaggcg tgtccgggca tcgctggaca   780
gtgctggggg ttcagggagc agtcccatct tgctccccac cccagttgtt gggtaaggcc   840
ttgcacaccg acaccaccct cagctgcctg tattctgccc acaggtgacc tttgaactgt   900
gttgagtgtg cagaacccat tttgcattgc tgccaggatg tgcagacaga tatgaatgag   960
cagtggccac gtagctggga ggcattccag cccacgcccc agagctgggc tgaagccagt  1020
ccagaagacc agtgggaagg cagggagact taggccctgg ggtcttacct ttttagcagc  1080
agcaaataca tttatttt agagacaggg tctcactatg ttgcccagga gttcgagacc  1140
tgcctgggca atatagcgag accccgttct ccagaaaaag gaaaaaaaa a            1191
```

<210> 8939
<211> 762
<212> DNA
<213> Homo sapiens

<220>

<400> 8939
```
tttcgtggcg ggagccaaca tagagccctc agtgggatga gggtgaaact gctattgccg    60
gcggctcctg ttttaccgcg tcagcatgct ggtgcattta tttcgggtcg ggattcgggg   120
tggcccattc ccaggcaggc tgctaccgcc cctccgcttc cagacattct cagctgtcag   180
gtaaaaacgg aaaaacctac tcagcgcggg ccattgaccg cccggcaggg cagtgccggc   240
ccgccgggag atggagtcca cgagcttgcg cgaggcttgc tgggagctgt aggccaggcc   300
taccgggggtg gaatgtcact ccgcgggtgt tggcctcaat tatttatagt gacactccag   360
tcgccagcag gaggctcctg cgtctgcagc cgcgtgtcag ccagaaggag gggacgctcg   420
gggtcagtga ccacgcccag tccgcactcc cgaccggggg tccctttcc tggccctgga   480
```

```
ggtgattgcg cgatttggac gaaaattctt attagtatga agagacattt aatgtagtgg        540
tgcttccagg attcaaagtg agtcgaagaa gaactagaga tgttcagcag ggataaagag        600
ccaatctaat aggccgggcg cggtggctcg ctcctgtaat cccagcactt tggaaggcca        660
ggagttcgag accagcctgg ccaacatggc aaaacctcgt ctctactaaa aaatacaaaa        720
atttgccgtg attggtggca cgcgcctgta attacaacta ct                          762
```

```
        <210> 8940
        <211> 704
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (95)...(659)
        <223> similar to gi3600028 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

```
        <400> 8940
tcccgggtcg acgatttcgt cggtgcgacc cggagctcca gcgcccgagt ctccacttcg         60
tttgctgaaa cttgctttct accagctaag aaccatgctg cgagtgattg tggaatctgc        120
cagcaatatc cctaaaacga aatttggcaa gccggatcct attgtttctg tcatttttaa        180
ggatgagaaa aagaaaacaa agaaagttga taatgaattg aaccctgtct ggaatgagat        240
tttggagttt gacttgaggg gtataccact ggacttttca tcttcccttg ggattattgt        300
gaaagatttt gagacaattg gacaaaataa attaattggc acggcgactg tagccctgaa        360
ggacctgact ggtgaccaga gcagatccct gccgtacaag ctgatctccc tgctaaatga        420
aaaagggcaa gatactgggg ccaccattga cttggtgatc ggctatgatc cgccttctgc        480
tccacatcca aatgacctga gcgggcccag cgtgccaggc atgggaggta agctgaccct        540
tctgaaggcc cagccacccc caggggagg ctgctaaaga cacacaggag agtgtctgga        600
gaaaccctgc cattgatcac aagcctgtag ctccctgccc acccagacag gggccccgcg        660
aggcaggtgg ggctgcctga attgagacat tgcaattgtt tatg                        704
```

```
        <210> 8941
        <211> 759
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (493)...(759)
        <223> similar to gi1247388 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

```
        <400> 8941
```

```
tgaaattccg ggtagacgat cttcgattca gcctctgctc cactacttta tttacatctc        60
cttttctttc catttcatca acggaagcag ctaacagagc agattaggtt atttctttgc       120
tggcggcaga aagtaaaaca tcacactgtc ctttctcacg agcctaaagc tcatccccga       180
cgccctaatc attacccttt ttaatggact taaagcttgc aaggctatct acattttctg       240
agaattcatg aactggcata aaatggtttg aaggtacaaa ctcttccttg ggacgagtat       300
aatctggtgt atcgaaatca acaaaccta caccagaagg gctaacttct gaaaacccac        360
caaattcccc aaattcatca tcatcatcat cctctgctcc attgtctaat ggtggtgggg       420
atgaagagta cattcgaatg atgtctggct ccattgttca gttgctttca aataattaat       480
ttacacctgg ctccttcggg gcggctgcga tgggcatggc tcaggggccc ggggaggaac       540
tgactccccg gggaaggacc gtctattccg acgcggaact ggtgagagcg gaaggccggc       600
tgctcacagc cctgtcagcg cagcagcacc atggacgccc acccggagtt tcaccgctgc       660
cgcgggaccc ccatcccact accctccgcc ctcttccgcc gccgccgccg cctcctccac       720
ctcctccgcg gagaccccca cgaaatcgtc gacccggga                              759
```

```
<400> 8942
gcgtcgacga tttcgtctgg aaagggcaga gcaagtccac tgtgggcact gtgtttagtc        60
ttgagtcaga ggaggaggaa taccctggaa tcactgcaga agatagcaat gacatttaca       120
tcctgcccag cgacaactct ggacaagtca gtcccccaga gtctccaact gtgaccactt       180
cctggcagtc tgagagctta cctgtgtcac tgtcagctag ccagagttgg cacacagaaa       240
gcctgccagt gtcactaggc cctgagtcct ggcagcagat tgcaatggat cctgaagaag       300
tgaaaagctt agacagcaac ggagctggag agaagagtga gaacaactcc tctaattctg       360
acattgtgca cgtggagaaa gaagaggtgc ccgagggcat ggaagaggct gctgtggctt       420
ctgtggtctt gccagcgcgg gagctgcaag aggcacttcc tgaagcccca gctcccttgc       480
ttccacatat cactgccacc tccctgctgg ggacaaggga acctgacaca gaagtgatca       540
cagttgagaa atccagccct gctacatctc tgtttgtaga acttgatgaa gaagaggtga       600
aagcagcaac aactgaacct actgaagtgg aggaggtggt ccccgcactg gaacccacag       660
aaacgctgct gagtgagaag gagataaacg caaggaaga gagccttgtg gaagagctgt        720
ccccctgccag cgagaagaag cccgtgccgc cgtctgaggg caagtctaga ctgtcccccg       780
ccggtgagat gaagcccatg ccgctgtctg agggcaagtc tatactgctg tttggagggg       840
ctgctgctgt tgccatcctg gcagtggcca tcggggtagc cctggctctg agaaagaaat       900
aggaggcttt tcagaagaga aagacagaag gatgtaaggt tggagttgta ttggctggaa       960
tttgaacctc cagcagctgt ctggacattt gtggaacact ctgggataat tggggacttc      1020
tgctcaacat ggcagtggca tgttaggcat gttagggctt gaggtggggc attcacattc      1080
atctgactgt aaatcccaag ggcctccgct catgctaaat tgagaatctt aggggtaaag      1140
cacccctcc aggaccgggt ttctcagcct tggcactagt gctgttctga ccattctctg       1200
tgttggggct gtcctgtgtg tggtgggctc cacccactag atgccagtgg caccccctcc      1260
cagagatgac aaacgaaaat gtctctagac attgccaaat gtcccgtgtg aacatcccct      1320
attgagaccc actgctttag cgagagaggg tttacttagg aagaattggg atagaaattc      1380
ccagctgaga gaacttagct gtgggctcct cagctactga cttcttagct cttaatcccc      1440
```

```
ttagaatttc atctttctcg atgagcaggc tctgcaccca ctcttttttt gcccccccgcc   1500
ctcatcctgg agtgtgaggg tgctcgcccg tactctcagc tgcctctcag ggactgcact   1560
gttcctcttc accccccaggt tcctgctaag atcccacggg cgagggcttg ctctggactc   1620
agtctgtcaa gtccccgaag cttcctgcag ctccaccttg taaaaatgct gcctttggga   1680
atcttcgaaa tatgtacaca gagaaaatca catgaaggag acctggggtc cccacttgtg   1740
agtgcaactg caagtaactc tggctagaga gacacatgtg tcttgtgtca aggcaggagg   1800
ataacccgga tgaccttctg aggtctcttc agcccttttc gctagtggtc acccaccacc   1860
atggttactt gccagcaaca tctctattgc tggatggtcc ctgtctataa ccttgggcta   1920
gtatattttt tccaatatgg gaccttagtc ttactactga tgagttctat gggtctcttg   1980
ctaggggta aggattttta ttcttgggct tatagagcca gttagatcat aattcttatg   2040
aaatagagag tgtcctaaat atcactgaaa taaaaagtag gaaaaagaag cttgaatttt   2100
aagactgagg ctgctctgca gattctagtt tggctttcag agttcaagag tggtggcatc   2160
ttcacctgaa ttcttcaatg ccagggtaat aaaccaaaat agtcctaatc agtatatgct   2220
agttgagcat cggcataatt ttctttcctc tggctgatcc cagccctaaa ggaagggtag   2280
acccgtgtct ttccagccct aaaggaaggg tagacccgtg tctttccagc cctaaaggaa   2340
gggcagaccc gtgtctttcc atgcccgagg gccacgacgt cactatgcag ggcacacgtg   2400
gcttggttta aaaaggtcat cttagattta tcttagtaaa tgtaataaat tatttttttag   2460
atcttgaaat ttataataaa aatactttac ctaccctgat caccaaaacc tgatgtttta   2520
aatgtgcttt ctttttgaaa tttatgtttt ccaaataaaa tctccctaaa gcaatatttt   2580
aaaaattggg tccaaaaaaa aa                                            2602
```

<210> 8943
<211> 743
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (141)...(740)
<223> similar to gi537433 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8943
```
ctgccgtctt ctcctctcag agatggatgc cacaggttcc gggcttcttg ggctctggga    60
ggacgcgcag cggaaggcga ggtcgctata tgaggccgct ccaaagtcgc ctcgcgctgt   120
tgttgcgtca ctgcctccag cctccagcat ccagggagag tgcaggcaaa aaggcagccc   180
ggagggtggg accccagggg acaggacccc cagaaggtga cagagatcct ggcagtgggg   240
gacctggggc agaaggtgac cccatcctct tcccgggctg ccgctcaagg ctcctgccgc   300
tcccgggctc cagcgccctc tcaccgggtc ctgatcaggg ctcccttct cacccccgggt   360
caggcagaag gccccggacc ccagtcccaa aagaaacgga ggctgcaggg cttccacgca   420
ggagagaagg ggagggctcc tctccgaccc gggctccttc agcgcccacc ccagcggact   480
ctgagagggc gaggaggagg tcgggggcta ggttcaagcc gcactgggcc ccggattcaa   540
gaaagaaacg ggctcctgag acgcctgtgc atcagagggg tcctggctcg gcctgggatg   600
gggctcgggg agagtcagac gatctgccag gctcccagcc tgaggccgcc ctccccggcg   660
cgcaaccccc gcccccaccg ctggggccct catgcctttc ccggcacgtc gctccccggg   720
aggccgagac tcctgccacg aaa                                           743
```

```
        <210> 8944
        <211> 700
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (212)...(657)
        <223> similar to gi347455 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters




        <400> 8944
    ggggtaccca cttcgcagga ggacccacat tcctagccaa atgtgggaag tcactacttg      60
    aaatgcctta ggtgcctggt tagcgtgcct tcactagacc aaactctagg gatatcccac     120
    gcagcactct gcagagctca ctataggtgc attctttcta tccatgaatt tctcctcttc     180
    agcccctcta cgttgttgct tcacgcatat gcccatctac gcgacccttt cgcgtccacg     240
    tccttctaca atggctcccc cacctctatg gtccgttagt tagtttctct ccgccacctc     300
    acctctatga ccctctatac agttcctcac tgacacagtt tctttgcatc atcttctcac     360
    ctctactgct cctccacagc atctcctcgt cgtcctcatt tctatagtca tctgcatcct     420
    ttttgtagtc cctttgccct aggccccgac tagagaccct cttccgcttc tccttcccct     480
    cactgggacc tcaacacggc gagagcaccc agcacgactc ccgccaatcc cccggcccaa     540
    aggaatgcca gtctctatcc tcccccgtgt cttcactccg ctctactact ccgagctccg     600
    ccgcgccggc ccccagcccc aggttaccac ttttctctct cccacttcgc cggcaacgtg     660
    agtcacgaaa tcgtcgaccc gggaattcgg gggcggtaca                           700




        <210> 8945
        <211> 901
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (66)...(694)
        <223> similar to gi3212996 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters




        <400> 8945
    tttcgtcgga ggccgcggct cgtcccccag cggatgagct gccgcggacg gggcgcgggc      60
    ggacgatgga actccacatc ctggagcacc ggctgcaagt tgccagcgtc gccaaggaga     120
    gtatcccgct gttcacctac gggcctgatc aaacttgcct tcctgttctc caagaccagg     180
    tgcaagttct tcagtctgac tgagacacca gaggattaca ctatcattgt cgatgaggaa     240
    ggattcctag agctgccctc ctcagagcac ctgagtgtgg cggatgccac ctggctggcc     300
    ctgaacgtgg tgtccggcgg tggcagcttc tccagctccc agcctattgg catgaccaag     360
    atcgccaagt cagtcatcgc cccactggct gaccagaaca tatccgtgtt catgctgtcc     420
    acgtatcaga cagacttcat cctggtgctc aagcgggacc tgccctttgt cacccacacg     480
    ttgtcatcag agttcaccat cctgtggtca gtggctagac tgtagcagcc gagaacctcg     540
```

```
gcatcaccag tggcttcgtg aagcccaagc tggtccagat gccggtcatc cacccactgt    600
ccagcccgag caacaggttc tgtgtcacca gcctggaccc cgacacgctg cctgctgttg    660
ccacactcct catggatgtc atgtcctact tcaatgggtg aggatacaac tagaagccag    720
cagtctacag gctggaagaa ggccctcacc agaacccaac ccttggactt cagcctccag    780
aactgtgaga aatacatacc tgctgtttgt cagacaccag tctatggaat tctgttacag    840
tagcctgaac tcagacatag ccctttttcca tttataaggt ggttttacct tatattttat   900
g                                                                    901
```

```
      <210> 8946
      <211> 746
      <212> DNA
      <213> Homo sapiens

      <220>
      <221> misc_feature
      <222> (134)...(486)
      <223> similar to gi3406676 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters


      <400> 8946
tttcgtgtgg gagtacgagg ctgacgcggc ggccctgtcc ccgtaactgt gacacgggtg     60
cacgcgagcg tcattggggg cgatggggggc cgtgctgggt gcgcgtttgc gccagtgacg    120
cagccgctgc atctccgcca gtccgcgcag gccagcatcc ttcagaaaaa gcatccccga    180
ggaggaagac gaatcgttaa acatctgaaa gggtcaggcc agcatccttc agaaaaagca    240
tccccgagga ggaagacgaa tcgttaaaca tcttaggtca gctctagcct ctcggaattt    300
gtcttcttca gtggaaaccc cgagaagact gatcagttct tcagttctaa aacaatggcc    360
cagggtttgg tgacgttcgc cgacgtagcc atagactttt ctcaggagga gtgggcctgt    420
ctgaactctg ctcagaggga cctgtactgg gacgtgatgc tggagaacta cagtaacttg    480
gtctcactgg gtgagttgca cgcctcagat aacttagact gcctcctgga atatccgctc    540
tcccctgtga atttcaggac cgcctttcaa gaaactagtt gaatttcttc ttcctgtccc    600
caaggaatgt attgagcctt attgatgtgg gccgtgagca ccacaacctt cccctcccat    660
ccatcggtta ccttcccacc tttgtcgact cccccgtaat catctcactt ccttaatgtc    720
cgtggaatga gtgggaattc tgggaa                                         746
```

```
      <210> 8947
      <211> 878
      <212> DNA
      <213> Homo sapiens

      <220>
      <221> misc_feature
      <222> (421)...(745)
      <223> similar to gi159714 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters
```

<400> 8947

```
ctgtgcagtg tgctggaatt ccccggctcg agcgatcacc acctgcacag taattcagtg      60
cagcccatgc agctttccag cgttatccat cacccacctgc gcagtaattc agtgcaggcc     120
tgcgcagctt cccagcgggg tccatcacca cctgcacagt aattcagtgc agcccgcgca     180
gcttcccagt ggggaccatc accacgtgcg caataattca gcgtagcacg tgcagcttcc     240
cagcgggatc catcaccaca tgggcagtaa ttcagtgcgg cccatgcagc ttctcagcgg     300
ggtccatcac cacctgggca gtaattcagt gcggcccatg cagcttctca gcggggtcca     360
tcaccacctg cacagtaatt cagtgcagcc catgcagctt cccagcggga tccatcacca     420
cctgcgcagt aattcagtgc aggcccgcgc agcttcccag cggggtccat caccacatgg     480
gcagtaattc agtgcggccc atgcagcttc cagcggggt ccatcaccac ctgcgcagta     540
attcagtgca gcccgtgcag cttcccagcg gggtccatca ccacatgggc agtaattcag     600
tgcggcccat gcagcttctc agcggggtcc atcaccacct gcacagtaat tcagtgcagc     660
ccatgcagct tcccagcggg gtccatcacc acatgtgcag taattcagtg caggccatgc     720
agcttctcag cggggtccat caccacatgt gcagtaattc agtgcaggcc atgcagcttc     780
tcagcggggt ccatcaccac atgtgcatag ctctgggtca ctttaaagat cgcattacct     840
gagtgctcag tgttgctgta aggaaatgtc ctgctgaa                             878
```


<210> 8948
<211> 926
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (919)...(667)
<223> similar to gi1651678 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8948

```
ggtacgtatg ttaggatgct ctagaccggg cgccccggaa cggttatggt gtctcgatac      60
ccatttcctt ctttcagtat gaagagaggg agaatggaaa gcggggagga agcacggtca     120
cgggaagttg ttatttaaag atggcagata ttaccaatgg gcgtttgtgg acggagagat     180
cacgggagaa ggccgccggc actgggcctg gtcaggagac accttctctg gacagtttgt     240
tctgggagag cctcaaggct acggcgtcat ggagtacaaa gccggcggat gttatgaagg     300
ggaggtctcc cacggcatgc gggaaggaca cgggtttctg gtggaccggg atggacaagt     360
gtaccagggc tccttccatg acaacaagag gcacggccct gggcagatgc tctttcagaa     420
cggtgacaag tacgacggcg actgggtccg ggaccggcgt caggacacg gggtgctgcg     480
ctgcgccgac ggctccacct acaagggaca gtggcacagc gacgtcttca gtggactggg     540
cagcatggcc cactgctcag gggtcaccta ttatgggttg tggatcaatg gccacccagc     600
agaacaagct acgaggatcg tgatcttggg tccggaggtg atggaagtgg cccaagggtc     660
tcccttctcg gtgaacgttc agctgctgca ggaccacggg gaaattgcca agagtaagca     720
tctccagggg gagatgacct aacgtttcca aaagagaaac aggcagcagg ttcttaagca     780
gtgaagatgc ggacgagatg ttgcatgtgg ctcctgaggc acagcagtga cttcgtgccc     840
agagcctggc agagaggtcg caggtgtgcc agcttccctg ccagtcaggg cagccttggg     900
tgtgtgtgca agcatgtgtg cacatc                                          926
```

<210> 8949
<211> 2454
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (416)...(2197)
<223> similar to gi5305335 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8949
ggcacgaggg cactctcagc agtaggcgca accgtgctca ccccgtgcct aacagccttg   60
cttagtccgg gctccgaggc agcagcagcc ataagaaaaa acaggagagg aaggcgatgt   120
ggcgcttctg ccgggccctc agactgggga gtgtgaggaa acctgtagga agtgtcaggg   180
actctggaaa gaacataatg gcctcacctg tgaagagctg gctgaaaaag acgacatcaa   240
gtaccgtacc tctattgaag aaaaaatgac tgctgcccgc attagaaaat gccacaagtg   300
tgggactggc ctcatcaaat ctgaaggctg caaccgcatg tcttgccgct gtggtgccca   360
gatgtgctac ctctgtcgag tttctattaa tggatatgac catttctgcc aacatccccg   420
ctcaccagga gccccttgcc aggagtgttc aagatgctct ctctggaccg atcccactga   480
agatgatgag aagcttattg aggaaatcca gaaggaggct gaagaggaac agaaaagaaa   540
gaatggagag aacaccttca aacgcattgg accccgctg gagaagcctg tggagaaggt   600
gcagagggtg gaggccctcc cgaggcccgt tccgcagaac ctgccacagc cacagatgcc   660
accctatgcc ttcgcgcacc caccttccc cctgcctccc gtgcggcctg tgttcaacaa   720
cttcccactc aacatggggc ctatcccagc cccgtacgtg cccctctgc caacgtgcg   780
ggtcaactat gacttcggtc ccatccacat gcccctggag cacaacctgc ccatgcactt   840
tggcccccag ccgcggcatc gcttctgatg gccccgaatc cccattgagc agcacaaagc   900
ccgtttgggg taggagtgtg gatggagaac cctcccccaa ggctggtgtc tgtaccattg   960
catcctaagt cagcttgaag ggtaggctgg ttttcttccc accctttcc tagaagggct   1020
actgctcctg gaagagtgga cggatccata ataaagacgt cccaaatggt ggagttcgga   1080
gagagctgcg atgtgaactg gccctcccct cgcatccccc aggccaccaa cggcagtcct   1140
tctgccttgt ccatggcata ggccatagac caggtccctg ctgctcacac ctgggcctct   1200
cctcggagcc gacccctggg tagcaaggca gccgagagca tctccctgga ggggcccacg   1260
gttgggccaa gggcagaggg ggctgcacct gcgggcctgg gaagcattgc tcagggtggg   1320
gggctgggac catggcccgc agaggcactg ccacagctgt gagggccaag atgctgtccc   1380
cccatccaaa acccgtgcgc cactgcagtg agtgttgagg gcacctctcc tcccctctta   1440
cacctactca gatgaggcag cagcagaccc atctcgcggc gggggttttg ttctgttgcc   1500
gcctaacttt ctcatcctcg gtctctggaa agtcaggctg agaaatcctt tcccaggcca   1560
ggccgctgcg gtacactgga tggttctgaa gctggcccat tgaaagagcc tcttaaggca   1620
gctgggacag aggcctggtg gccctgctgg gcagcccaac tgctggggga gacgtttctg   1680
ccaccctggg tgatgagcag ctttccccc ctggctttct gggggaggag tgggcctcct   1740
tagggagaca ggtgaccctg ggtgccaccc ctgccccgtg tgtgccccgg gtgttctcag   1800
tggttgctga aggcaggtag agggtgctgt ccagtatccc ccatgtgaag gtcacttccc   1860
ttctcatgga gtcagctgag catcagctca gccctgccat gtccccactc accctcctcg   1920
cctcctgtcc ggccctgggt ttctagccgt gcctgaggca tcactctggc ccattgacag   1980
atgagaggtc tgaagccttc ctggccacag gcatcacttt ctcctcctcc tcatgccctg   2040
ccttgtcctt gtcgtgttgc catggggttc tgagaggctg ggagttcaca gacctcagac   2100
acagctgagt ccgacaacca ttggggttgg ggctgcatca gtctccggag tggcccgcca   2160
cctcctgaag cagggcctgg cccacccaag gtgcctgggg gcaggcgggg caccgtcatt   2220
cggttgccat tggtttctca gatgtatttc aaggactaaa gtgggctcta agatctaaga   2280
tggcccggcg cggtggctcc cgccttgtaa tcccaagcac tttgggaggc cgaaggcggg   2340
cggaatgagt ttgaggtcgg gaattttgag tcccccgtct ctaactaaaa aatacaaaat   2400

<210> 8950
<211> 1182
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (30)...(1005)
<223> similar to gi488555 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8950
ggagggaaca tctttgaggg taattgttat ggaaaagaca tcctcagtgt gcacaaggaa   60
gcctctattg gacaggaact ttccaaattt aatccatgtg gaaaagtctt caccttaact   120
ccagatcttg ctgcacatct tggaattctc aatgcaagac aaccatacaa atgtaaggaa   180
tgtagaaaag gctttaagta ttttgcaagc cttgataatc acatgggaat ccacattgga   240
gagaaattct gtgaatttca ggaatgtagg agagccatca ctcattcctc acacctaaag   300
cagtgtgtaa cagttcatac tggaaagaaa tctaaaaaga ctaagaaaca tgggaaatcc   360
ttcactaatt tttctcaact ttctgcacat gtgaaaattc ataaaggaga gaagtccttt   420
gaatgtaaag aatgtggaag atcctttaga aattcctcat cctttaatgt tcacattcaa   480
attcacactg gaataaaacc acacaaatat acggaatgtg ggaaagcctt cactaggtca   540
actcacctta ctcaacatgt aagaactcac actggaataa aaccctatga atgtaaggaa   600
tgtggccaag ccttcactca gtacacgggc cttgctatac acatacgaaa tcacactgag   660
agagaaaccc tatcagtgta aggaatgtgg gaaagccttc aatagatctt caacgcttac   720
tcaacataga agaattcaca caggagagaa gccttatgaa tgtgttgaat gtgggaagac   780
cttcattact tcttcccatc gtagtaaaca tttgaaaact cacagtggag aaaggtaaat   840
gcaagatatg tgggaaagaa tttctgtatt cctcacccca cctgtgaact cctaccagag   900
agaaaccttt tgtatgtaaa gaatttggga aagcatttgc tctttcctca tgcctaagta   960
tgcatgaaag aattcacact ggggagaaat actatgaatg taaggatatg agtgttgtta   1020
ccatttagcc cattggttgc catctttaat tattggcagt gcaaagatca tcagattagt   1080
cctaaatgcc ttttggaggt tgtaatggct cacagattgg ccttagatgc atcccgaggg   1140
tctgaaatta aacctacagg ttctgaatac aaaaaaaaaa aa   1182

<210> 8951
<211> 913
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (212)...(877)
<223> similar to gi2407788 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

```
cgaactcccg ggtcgacgat ttcgtgtccc ggatggcctc ggggactgcc agtgtgtgga    60
ggtgagctcc gggattgccg gcattcccgc ttctgctggt tgcttcatgc tgcaggctgc   120
ggccgtcagc cctcgctcgc attggtggcg ctgaggtgcc ggggcagcaa gtgacatgtc   180
gtcgggcctc cgcgccgctg acttcccccg ctggaagcgc cacatctcgg agcaactgag   240
gcgccgggac cggctgcaga gacaggcgtt cgaggagatc atcctgcagt ataacaaatt   300
gctggaaaag tcagatcttc attcagtgtt ggcccagaaa ctacaggctg aaaagcatga   360
cgtaccaaac aggcacgaga taagtcccgg acatgatggc acatggaatg acaatcagct   420
acaagaaatg gcccaactga ggattaagca ccaagaggaa ctgactgaat tacacaagaa   480
acgtggggag ttagctcaac tgggtgattg acctgaataa ccaaatgcag cggaaggaca   540
gggagatgca gatgaatgaa gcaaaaattg cagaatgttt gcagactatc tctgacctgg   600
agacggagtg cctagacctg cgcactaagc tttgtgacct tgaaagagcc aaccagaccc   660
tgaaggatga atatgatgcc ctgcagatca cttttactgc cttggaggga aaactgagga   720
aaactacgga agagaaccag gagctggtca ccagatggat ggctgagaaa gcccaggaag   780
ccaatcggct taatgccaga gaatgaaaaa gactccagga ggcggcaagc ccggctgcag   840
aaagagcttg cagaagcagc aaaggaacct ctaccagtcg aacaggatga tgacattgag   900
gtcattgtgg atg                                                      913
```

<210> 8952
<211> 1314
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (676)...(79)
<223> similar to gi5732634 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8952
```
ttttttttttt ttcgctctct ctttctctct ttaattttgg tttctctcaa gcttccaaat    60
ggtgctcagt gctccaagga aaggaaggaa ggaaggaaaa ggaggggaga ggaggggaag   120
gggaggcaga ggaggaacat ctggaaaaaa agcagcctga cagtccagct gtttgcaaac   180
tcatagcaca tcctccagtt acatggcaga agagggaggg agggagggcc aaaaagaaaa   240
gggagaggag gaagaaaaat aacttaaata aacacacaca caaagaaaag agaaggcaac   300
atgacgtgag ctggtgatcc atgaaggcag ggagggaggg gaaccgtttt acctgtgctg   360
aaccaaggga agaatgcgga gagggaggga gggaaagggg aaaaaaaaat cagaagaaac   420
actgggggca gagggaggag gggacacgga gacaacttta tacaacttga gacgaggcgg   480
cccggccggc gtgtcctcag tgcggtgtgg cggcggagga tctggtgctg gtggtgctgg   540
cacttcaggg tgggggggccg aggacgggca cagtctctaa gcagctcccc caccccaaac   600
acggaggccc caaggggctg ggaacaagag tctgtggcga agcaggtgag gcagcgggcg   660
gtgggcgggc ttgctgggtg cccccgccgc aggcgggcac gggctggacg gcctgtcttc   720
tttccactgg cccccggca tgggatgggc cagggcgccg ggtcgggtac cggagtgcaa   780
gctcgaaaga gagagagaga aaacactgag acagcattag tggagtgaaa ggcggacaca   840
gatgagcctg cagaccatgc ccccaaccct ccgctgccca tcccctcctc cccaatccca   900
tccctctgag gcaaaaaata aaaacgtaga aaaatctctg tacagactcc ccggtgggaa   960
aacggggggca gggatggtgg ctcttcctgg agcgcactcc ccacaaataa atttacaacc  1020
```

```
caagtccacg gctcaaaaac agaatccgca aaggcagcgc tgggggctgc agcccctgcc      1080
cccgcccctc ctcgctgggt gctcagaagg ctgacagctg cgccaggctg aggcggcagt      1140
cgatgctgga gttgtccggg cccgtgtagg ccaggcccag gggctctagg aaggcccggc      1200
aggcggcctc gccctcgaag gccagctcgg cctgcaggta ggagactggc agcgcagggc      1260
ggaagctatg gagacaagag gagaaggtga tgaggcgggc gggcgggagg gcag            1314
```

<210> 8953
<211> 1441
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1442)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1048)...(0)
<223> similar to gi433482 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8953
```
tttttttttt ttgctgttgc caactgttta ttcagggccc tgaacgggtg gtgcgtggac        60
atgcaacaca ctcgggccca cagcagcgtg accggccgct cccaagcccc gggcgcacaa       120
ccacagccag gagcagcccc tgccaccact gggccaccgt ccagggcccc acaggaccag       180
ccgaaggtgc cccgggccga ggccagctgg gtcaggtgta cccctagcct ggggttgagt       240
gaggagcggc accccagta  tcctgtgtac cccaagttgc ccaggaggcc gaggggggcct      300
tgggctccat ctgcactggc caccccgtgc caagcatcac agctgcgtga gcaggtttgt       360
gtgtgagcgt gtggcggggc ctggttgtcc ccttcctaag gcgtaactgc tataagcatc       420
tccacctctc ccgctcggga aaaagccaca gagcctggcg atgtcctcaa ggggtcccgg       480
tggctccagt gcacccagca cacctcagcg cctctggctg gcaagccagg agaagaaggt       540
gcgaggccgt gggcgaggtg cctggaggac gcgcatggtg cgtggggagc gccaggcttt       600
gatggtggcg tcgtcgctgg ccgtgagcag cagctcctgc tcctggggac tgaagaccac       660
tgagttgacc acatcctcgt gccgcagcct ggccagacag atgttgtagt ggcggtccca       720
gatgtagccg tgccggtcct ccgcccccgct ggccacgaag tccctgctga cgtccaggaa      780
gatgaagaag cactcgtcgt tgggcgtgta ggcgcggtgc gcacgcagag cccgcctcac       840
ctcccgcatg gtcttgaggt cgaacaccag caggtcaatc tcctccgcga ttggtggcgg       900
ctgcatgggg tcggccacca ccgcaccgtt gggccaggcg cggctgttca cgtacaggta       960
cctgttgtcg ggcgacaggc ccatgccgat gatgtgtccg tgtatgtcta tgacgtggtc      1020
cagcgcgtcg aagaaggcat cggagccccg gccctcaccc agcacgggcc ctgccgtggt      1080
catctggtgt ggcaggatct gcttgatgcc tgcagggagg gctacggtga gggtccctgt      1140
ccaatgcccc aaggacatca ctccagggca gcttcctacc tcagtggtgt ctctggggct      1200
gtgagcacca cagaggtccg tgggcactgc ctgctccggg ggccccagac ctgaatcagg      1260
cccgtcggtt gcttgctggc cagcggccct gcgtgcgttt gttttcactg ctcatcccac      1320
aggccccagg tttgagcttg tgaccccagg ggcgagtgaa cgctcccagc tttgcctgtg      1380
gacttgcttg ctgtctgccc ctcaggaccc ctgcccggcc tccnccaagc tcctaggacc      1440
g                                                                     1441
```

<210> 8954
<211> 712
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (231)...(714)
<223> similar to gi1695235 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8954
ttggagctgc tgggaaagtt acatgagtag aagggttggg ttaaagcatg gaaacacctc   60
tgtctacacc agctcacgat aagcctgaag aggagtttgg agtccctcag acgctttcgg   120
caccacttag tcagcggggg gaataatagc tttccgggaa ataggcccga gacgcgggaa   180
gggaagggaa gggaaccccg tgggaaagac cttactcatt ctgcccttg cagtcagcac   240
ctgaggagaa gcagcgggga aaagaagtgc caagctcgcc gcgttgacca gtgtcagggc   300
cgagtagcca caggacagaa ctgagaagcg agtaccaaca tcaagcctgc cgcgccattt   360
atatccacgc atgcgtttcc ccttacctgc accgagcctc ccgccccgtt tacatccacg   420
caggcgtttc cccttacctg caccgagcct ccattcccgt ttatatccac gcaggcgttt   480
ccccttacct gcaccgagcc tcccgccccg tttacatcca cgcaggcgtt tccccttacc   540
tgcaccgagc ctcccgcccc gtttacatcc acgcaggcgt ttccccttac ctgcaccgag   600
cctcccgccc cgtttacatc cacgcaggcg tttcccctta cctgcaccga gcctcccgcc   660
ccgtttacat ccacgcaggc gtttcccctt accgaattcc accacgctgg ac   712

<210> 8955
<211> 745
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (41)...(748)
<223> similar to gi1546900 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8955
actgttcagt tgctctcctg gatggcttta tgtctccgcg gtgtttccta gagtctcggc   60
gtttctacct cttcgcaccc tttcctgcca ccctttgtcc cctggaagcc cggagacatc   120
agcggctgca attttgctac tcgctgctcg gcgtggaact gtcaggacaa aaaataatat   180
ccaaagatat tttggcacta acggcgctat ctgtagcaag aaagttgagc agtgtgaact   240
gttgagactt ccaaggagac ttcagacaac caagacagtg taaaggaaaa cagagaaaaa   300
gacttgttag acattattaa gggcacgaaa gttgaattga gcacagtaaa tgtacaaaca   360
acaaagccac ccaacagaag tccacttaaa agctacaact ggcccgcctc aaagagctac   420

7451

```
agagcatgct ccaaagaaga gaaatgagcc cgtgagtcct gagttggtgg cagctgcatc      480
tgctgctctg ttttgacaag caaacaagcc agaactgctc aggcagctcc gtagcatgag      540
gaagagtcag gggcacagag agatggagag agacctagtt agagagcgaa ccatgtgctg      600
gatttagcca gtcctgcatt tttctatact tcaaatcaaa acgggccatg cttcacatct      660
acccatgatg aataggggta ctttgattaa gaataaatag agctgactga attctgaaca      720
agataaacat attcaagggg aagag                                           745
```

<210> 8956
<211> 625
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (478)...(625)
<223> similar to gi2854198 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8956
```
tttttttttt ttatctttaa aaacagattt taatgtgtta aaaaaaaaat agaatcaagt       60
ggtgtgcttc gccactgaga tgattgtgct gtggctccgg ggccacatag caccagggct      120
cgatagcaga caggagtttc ggccctcgtc cagtgcatgt gactggtgca ggggcggagg      180
cccagcccca cggggggccag agcaggaaca cagccacctg ttccaacagg cgctgtgcct      240
tgtatgcccc gtacatgtgc ctgccctgag aggagcatgg gccaggcctc tcttccagct      300
gtgcccccag ggtgccagtg aggcagggcg acctctcacc aacagagctc ctccaagcca      360
tgctggattt ggattcctgg aacccctgt acccatgcgg tgggccaccc caggggggagg      420
ggaggagaga tgggagactg tgtgtatgtc ccctccctcc aagtgcagca ggagaaaggt      480
cactgggctg gcctggtcac acaccgtcat aggggcctgc tggggtatgc ccgatgcccc      540
ccagcctccg ggccatgctg atgagtgagc gcaactgcac cagcctcagt ggccccacct      600
ctctggggtc ctggttctcc agcca                                           625
```

<210> 8957
<211> 447
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (65)...(440)
<223> similar to gi2443581 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8957

```
tgcactacta aaatggacac ttaaaaattg ttgctctctc ctctgctcgc attttcactc      60
tgccatgccc tgctctgaag agacacccac cgttacccac agcaaacagg ctggtttgca     120
gaggaaggca gcatgcagct ccgttttgcc ccattctctg agcaggccac aaccctgact     180
cagggatcca cacaggccac aggctatgac ctcaacggtg cctatgatga tacaatacca     240
cctatggaga aagctctagg gaaaatggac attcagatag ctcttccttc tggatgttac     300
agaagagtag ctccatggtt tggattagct gcaaaaccct ttattgatag atgaagatta     360
ctgagaaaat gatggtgctg tactgtttaa ttttggcaaa aaaaagcggc cgctcgagcc     420
ggggaattcc accgcactgt gctagta                                        447
```

<400> 8958
```
gagcgccgcc ctggaggcgg tggctgggat aaacgtgcac ccagcaggac tcgccttggc      60
tccgggtttt gcttgtgctc acatgtggca ccatccttgg ttgccctcct ggagaaggca     120
ttcacggcct ggggtgggat ggctgggctg tagtttagcc tgggccttgg ccccagtgg     180
gggacagggc ctgtctgcat gaagtggaac cggagacctg cagaccccag gaaagtgtca     240
ctaatgggag ggaggggcag gcagtcaagt ggctggtgcc catgggtga agccaccatg     300
ggctgggggt gaagagccgg caggaagggg accagtcaca gggagtgtgg acagtcaggg     360
gtttgctttc tgctcctgag ttggggtgtg cagcgtggag cccacagcct ggttctgggc     420
cagggcacag tgccaggggc tccgctctga cctccaggag ggagactggg cccgggaccc     480
ctgtttctg ctccctggac tgcctagccc tgagtgccac ggatgaccag cgttctgttt     540
tctcttctca ataaccctat ctcttcacac atccccaggc ccagtgcttg ccggctgtgg     600
tgaccctgcc tggtgctgga gggcagtatg ggaggcacca gtgtgccctg ctcaccccat     660
tagtgtcatc ctgccatctt ctgtgtcccc ttggccctgg cacacaccca tgtggcaaac     720
acgggccgtg aggctccctg aacagcttcg aggcgggtgg gcttctggag ccctcttggc     780
tctgaggaca gccacagtgg ggtcagacgt cagggattgg tgcagcccca cgtcagggg     840
gattgtcttg actttctctc catttgagtt ctggggtggg tggctccctt cccccttgct     900
tacaggtgct gtcctgggca caggaggtac gcgcctgggc tctgccactg ttctcttccc     960
tctgctgcaa agcccagtta aggaaatgtc ttcaggttca aagagatagg atggtctggg    1020
ccccacctgt tggaagggaa cagccaggga agaaccacct gcctgggcag ggcctcgcct    1080
gagggagggc ctggggcagg gcacaagggg ttgatctcag cccacaagcc caggggcag    1140
cccaggaaag caggcgacgg atgtggatcc tgacctcctg agaggtgtga ggtgcaggga    1200
tacccacctc tgccttgacg gccgcgcacc ccttaggaag tggctgtcca gcgcctgcct    1260
gtgctgggcc tgggagagga gctgtcttgc cagggctccc aggcagggag aggcaggtga    1320
ggttctcagc cgatgtgtta gaggttgagc atcgcctgtg cccagcttgc tggctgtcag    1380
tgcttgatgt gcccatcctc agctaaaacc cagagctggc atgttggtca tccccacctc    1440
agacgggacg cccagtccag agctggtgag ccctgggcca gcctttgggc ctggcctgcc    1500
ccattcaccg gccagcgccc cacctccctg gctggaggt cggggagggg ctggcagaga    1560
tggttggtcc acagggctag ccctgggtgg tgggagaggg gcccagggtc agggtgagag    1620
agagctgggc caggagctg ctgcaggatg attttgaggt gtgggggaag cactcttgag    1680
gttggttttg gtttgctttt taaaaattgt ggtaaaatac ataacaaaag taacaaaaaa    1740
```

```
<210> 8959
<211> 717
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (223)...(717)
<223> similar to gi439877 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 8959
ttagtccagt gcggtggaat tcctgagctt gaaaaaaaac tgaaagagaa taaaatatct      60
ttagagtcgg aatatgaggt acggtatgtt aatatagtct ctgtcttata acaatcagtt     120
actggtttta tctgccttaa aagtattagt agtacagaaa aaaattacgt tgaatatata     180
tggtatttga taaactgtat attcatttga aaagaaaata aaaagatgga tccatactta     240
atatactaca aataaataaa ttccagatgg atcaagaatt tgaaagtaaa aaacaaaatg     300
ctaaaagtac taggagaata taaatggaga attttgtttg ttgtcttgag tcaaaaaagc     360
ctatttaaat gtgatataaa acccagaagc tctaaaagta aagatcaatg ggttcataca     420
tacaaattca aaagttaaga atgaaaaaag tatataaagt cacagattac atgagaaatc     480
ctacagatat agtttaatct tatcatggca cattaattta cttaaatatg aagaccatct     540
tcaaatcaat gtgaaaaagt tcaacaattc atttgttcag taagaacatg ggaaagcata     600
gcatgtaaaa cttttggaca aaaggaaata agtatcattc ttaaacatat gaagagatgc     660
tcaatttatc ataataggaa tgtcaaagtc taacgaggta tcacttttca cccatct       717


<210> 8960
<211> 1844
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1845)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1319)...(1844)
<223> similar to gi3002527 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400> 8960

```
cagaactntg ggagtccgag gcagacagat cacctgaggt caggagctca agaccagcct        60
gaccaacatg gcgaaaccct gtcgccacta aaaacacaaa attaggcctg gtggcgcatg       120
cctgtaatcc cagccactcg gtaggccgag gcaggagaat cgcttgaacc caggaggagg       180
gaggttgcgg taaactgaga tcgcgccatt gcattccagc ccgggcacca agagcaaaac       240
tcggtctcaa ataaataagg ctctaacaat tgttctcata ttttaacatc cacaatgtga       300
ttcaagatgt aatcaacata aagcttgatt gcattatttt gcatgctaag ttttccaaat       360
ccagcttcgt gtcacaccta cagcacatct cactcaagct ggccacatcc ctgccatcca       420
gacgtaaaac agtcacaaga cagggctggc agggccgcgg aggaggccgg caggggccat       480
cacggagtgc ccatcctgca ctgtggtccc agcaagtttc ttcctcctgg caagaagcct       540
gtcccaggct ggcaggggac agcgtgaggt gcagcctatg gactgggaaa ggggtgtgga       600
agggccacac ctaagtccta aaatccaggc ccaaaagtgg cccaactcac ttctctgact       660
ttaatcacac aggcataccc ggtggcaaag gagtatggga aatggagtca ggctgggtag       720
ccacgagccc aggaagaagg gagaacagac ttggagaggg caggagtctc tggccaccag       780
gggctaaaga gccttcgatg aggcagtgat gtggggtcct gggctcagac ccagggtggg       840
tggctaaggt gcccttgcca ggacttagcc accccaacag agatgggttt cgtgcccacg       900
agagtgcctg tgccttgtga cgagaattca ccatgttttt gtctctgcag gcagagaaca       960
gcattgactt catcagcagg gagctgtgtg cgcattccat caggaagctg caggcccatg      1020
tcctgttgat caagtgagtc tggacccatc cccttcagtc accccccaag gagacatggg      1080
cgccaggaat ctccgggagg gggccctggc atgaggctcc aagttctctg cgtgtcgacc      1140
acatcgctaa gactcaagat cttttttggg aagccccccct ggcagcaggg tcatggaagg      1200
aggaaggtca gaggagggga gggctcaggc agcaggggat gggccggggc tgtcccatgc      1260
ctttccacag gtgtcagcgg ggggcatgcc caggtaaggc tccataacca gtgagcccag      1320
tctcgactca ctgcaacctc tgcctcctgg attcaaacga ttctcctgcc tcagcctccc      1380
gagtagctgg gactacaggc gcccgccacc aggcctggct tatttttgta ttttttagtag    1440
agacgaggtt tcgccatgtt ggccaggctg ctctccatct cctgacctca tgatccgcct      1500
gcctcggcct cccagtgttg ggattacagg cgtgagccac cgtgcgtggc ccaccataga      1560
caatttttaa gccataaaaa gaaacgaagc actgacacgg gctccagcat ggatgagcct      1620
ttaaaacatc gcgctaagtg gacgaattca gacacaaccg tctacgtgtt gtatggctgc      1680
attcacgttc aagtcaagtc caaatagggc acactgcaga gacaaagcca ggtcatggtt      1740
gctcaggacc ggaagcctgt tgggggtggg ggggtggggt gtgtgtgtgt gtgtgtaagc      1800
tcagaggttt gcgatttctt tgggggtgat gaaaatgtaa ttgt                       1844
```

<210> 8961
<211> 1952
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1953)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1481)...(1935)
<223> similar to gi200547 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8961

```
tcttcaccca tggtcaggga ggcgccatcg ccctggcttt ggggctgggg cctccgggga      60
ggttccggta ggggcgttgg agaggccgct ctttttgcaa ggcccgagat ggcgggccct     120
gcgcaggccg ccctattccg cgccctcagg gcgtcagtat ccgcctgagg ccggataccc     180
actctgggct cggatacccg cgctgggccc ggagcatcct cggcgctgcc ctcccagagc     240
cccgcagagg ctgaggtggc gcggggggcgg ccccggctcc gcgagaagag gcggcagcga    300
gggctggagg acccgggcta cggggctccg gggcgtctgg cctgggtggg actgagccca     360
tccagggact gggactccgg ggttctggtg taggtggatc cggggcaggc tcaggaccaa     420
gtccctctcc ttccaccaag gagcgcccag aggccggcgg gagctccagg ttcacctcct     480
cctcctccag gaaatcccac ttccaactgg atgtctggat gaactactga aagctgctga     540
gtgtcctgca gcagggtcgg tggacctggg tgtctgtctg gacacatcct ccagtggcct     600
ggacctgccc atgaaggtgg tggacatgtt caggagctgt ttgcctgcgt gtgctgtgaa     660
cttcaagtga cggtaagggc catgtagaat tgaggagccc gctggtgctc ccggcaggca     720
gccagcctcc gcaggacccc gaccagcgac acgatggctt ctgggcaata cagcacgtct     780
acggtgaaag cttcaggtta ctgaaaggga caagtggaaa gttccagttc atgctgacct     840
cagcagcagg gcgaggccag agaggcagcg ttcatatgag actattagat gccatttgac     900
catttgggcc attagatgga aaggcaatta cttgggtgaa aaaggagaac ccttagtaga     960
gaaagctgca aaagaccgaa gcaaaagaaa aaaatctcca gactcactgg tgttccttaa    1020
aaaaccagct ctggttcttg gcctatctag agggctttga atgacagaaa gcctgaccct    1080
gccatgaaat tcgtgtttca ggtgtctgcc gattggtctg ctggcttgca ggggtgggcc    1140
tgtgtccctg gccaccgctg gacctgtggg tttcagggct ggaacccagg accacaggca    1200
gagctctgtt ccaccagaga ggggactgag tgtgctggca ggggtgaggg gttttcggtg    1260
gcccagccaa acaccccctt ctctcaaggg ccctgtcctc atctcagaag tggttgtttt    1320
cctcctgtgg tctctgaagg acacagggca tggctctggg acagagccat gtggtgatga    1380
ctgaaacggg agtatgcctg tctccaacaa gaggtctgtg gcttgaaggt caccttaaga    1440
ggcacccctg tcctttgatg tcaccctgga ggcccagagt aactcttctg gaagccccat    1500
catgtccatg cctgacagca tccattgttc ccttttccca gagccaagag ctgggtagag    1560
ctgcaaggac accgcctgca caggatgccc ggggctgggc attacctgct gcaatgacaa    1620
catctggctg gacggcagag agctgacaga ccgtcgcgac gtcccagtcc agctgggcca    1680
ctgtcaccct ggggccgtct aagttggcag tgatgtctgc ctctaatgag aggccattga    1740
gaaggacatt ccctcagagc tgctcgagga cccggctgtg acagtcgctg aagatgtacg    1800
cccggggggcg gcacatcttg cagatggcca ggcctgtgag gccggcgcca ctgccaagct    1860
ttaggacagt cctgtgaaag aaggctaaag ggttctcggc ccattctgcc ggacgcgtgg    1920
gtgaacccgt aacggcaagn ctggccgcac at                                  1952
```

<400> 8962
```
tttttttttt ttgagacagt ctcgctctgt cgcccaggct cgagtgcagc ggcgtgatct      60
tgcttcactg caagctgtct cccaggttca cgccattctc ctgcctcagc ctccggagta     120
gctgggacta caggcgcatg ccaccacacc tggctaattt attttgtatt tttagtatat     180
acgcggtttc accatgttag ccagaatggt ctcgatctcc tgacctcgtg atctgcctgc     240
```

```
ctcagcctcc caaagtgctg ggattacagg cgtgagccac cgcgcctggc gaagggagtt    300
ctctcttgac ccctgcaggg aaaaggactc acctccctca ctgcaggctc agccttccag    360
ggcaagaggg aacaggaaag tatgtgccca tgtgtggcaa gatggaagga cggcaggctc    420
ccgcctctag gcttggggct ctaccccgat ggtttcccaa ggctgccaag aaggagccct    480
aactttcttc ctctcccttc ctggaagggt gctgcatcca caggctttg accaactaag      540
gcaaagaggg gatttgaaag gctgcctgga aacactgggc tgggaggagc ctttggatat      600
ttttatatac gtttgaaaag gggattgaga gaagaaacca aaggtcggtt gtactaaatg      660
tatatatata gatacttcta taaagtcact gctgaagaca agcatcctat tgtggaggta      720
cttgaggatg ggctgagaca gggaccataa ctcttcaccc ctcttcctcc ctctgtcctg      780
cctcagctca aggcctcaga atcttctgga tgccattgct catgcccta ctcacatttc       840
tactcgttgc tttattaata gtaaatgctc aataaattgt agctgccagt gccgggcatt      900
gctcttggca aaaaaaaaaa                                                   920
```

```
          <400> 8963
atttttgtaat tgtaatagag gggggtttc ccatgttatg cagaatgttc tagtcatcgt      60
ataggggcgg ccacgcattc gccaaaattg ttttaaagaa tgaaattatt ttttaaaatg     120
gttttgccta accaatggct gataagaaaa tgagaaacca ccatgtccgg ccaaccacag     180
cccctctttt gggcctttc ctattgcaat gatttttcaa tgtgtccagt ggccgagttg      240
cccagatgtc cgtggagctt gatgcaaaca gaattcagag ccacacaggc accgctagca     300
aatccacacc tctggtgccg agggccccag aatctgtgtt ttgaatgcat ttttcagacg     360
cttttactgt accttataac caagatcggg tgaggtgtgc aaaccaaggg ccctgtcccc      420
tccaaaccag cagagcccgg ggcatgagga tggcaagcga agtgacaaca taaacacagg     480
tgtctccatc atcaaggatg ggagtggaac ggacagcaag ggccaggtca cccccagagc     540
attcgtcagt tgtcaagtcc aaagctaaga aatcagttca taaatgtttt ttgatttgca     600
tgttggctca agccctcttt ttaagtccaa ggaggcagtc cacattaagt gtgcaggcaa     660
aaaagagatg gaaaaggag tcagtttctc ccctgccctc cctctctccc tttatcaagc      720
tgagcacctt gagttgcatt tgaggaaatg aaaactatag gtgacgcaac cccattgtgt     780
cgaattcttt ctttacattt tttggggtgg tacaaggaat cagtatttt ttttttttaat      840
cagatggtgt gtgtggtggc tcacatctgt aatcccagca ttttgggagg ccgaggcagg     900
aggatcactt gaggccagaa gtttgaggct gcagtgagtt atgatcatgc cactgcactc      960
cagcctgggc aacagagtga gaccctgtct ctaaaaaatt taaaaaaaaa tcaaagcatg    1020
aacaaaactt taacaagaga ataaagaggg ttgttaggtg gagacgtggc cagcactcca    1080
cctccacttt gaagttcaga ggcagagcat ctctccctcc cacacttgga gggagggccc    1140
gtgggctgtc tctagccctc acctcacagc tggtcttctt gctctccctg ctcagcttct    1200
gctctggcct cggccctcag caccctgagg ttcctggcct ctcctgccct ggggactctc    1260
ttgggcaggg ttggcaaccg gggagtgtgc cagaaggctc tccggcgctt gcaaaaccac    1320
gaaaagcgtc caggggtctg gaacctcact gtcttgacct gtttccgggc cctggctcct    1380
ggagctgttc ctgtggtccc ttgggcagct gagacttcag cttcctggat acctggggcc    1440
cctgccctct gattatgtgc agcctctgcc ctctggccag cccgggcctg tgccctctga    1500
```

```
ttatctgcac cctggacagc tggggcccct tccctctggt catgtacggc ctcttccctt    1560
tgattatctg taacctctga cccctggtca gctggggcct ccgccctctg attatctgca    1620
gcctcttccc tgtagttatc tgtgccctgt gacctctggt cagctggggc ctctgccctc    1680
tgattatctg cagcctcttc cctctggtta tctgcagcct ctgcccctc ctcagctggg    1740
gcccctgccc tctgattatc tgcagcctct tccctctgat tatctgcagc ctctgccccc    1800
tggtcagctg gggcccctgc cctctgatta cctgcagccc cttcccgctg gtcagctatg    1860
gcctcttccc tttgactatc tgcagcctct cccccctgat cagcctcgat gtctgccccc    1920
tgacctgtgg gtgctgtctg ctccttcctg cggcgccgaa aggaggccca gttgatcttg    1980
ggcctccatc gcctagggga agcctggggc acacaaacat ctcccgcgtt tcccaagcga    2040
tccccccggc tggtgccctc tggcgccgat gataccccctg cgctctccac tgcggaacac    2100
cttgccgatc ttcttaaatg tccccacggg ctttagggct tccacgagga cgtccaaatc    2160
cacatctttg cagacatcgg ggacgctcca aagaatgagg cagtcggggg acggcaggaa    2220
gccccagggg aaccagcccc ccacgtggct tttctcgaga gtctttaaga tctccagggt    2280
gatatctggg gtgaggggca atgagcccca acaaactact gtagcccctta gtcttgaggg    2340
agggactgga tggggggagt tccagcaacg ctgaccggag agtctcacct ccctagccag    2400
ggacgagcca aacgcctcca atctcttcgc ctgcaacaag tacagtcttg accaagtccg    2460
gctcccccac caaggacttg ggggaatcaa tttccaggat gcctacgtga gccggggggcg    2520
aggtcagtcc caagctcaag gcccactcca agctggaaac gtggtgtccc agctccaagt    2580
tggggcgcgc gggctgccag cgactcttcc tgcccaggcc ccagggacgc ggctggaact    2640
tggg                                                                 2644
```

```
<400> 8964
gcggtgcgag cgggggttag ctcccagttc ggcctctgag gaaaacgggc gttcgcctgc      60
ggttggtccg actgttagca acatgagcgg cctggatggg gtcaagagga ccactcccct     120
ccaaacccac agcatcatta tttctgacca agtcccgagc gaccaggacg cacaccagta     180
cctgaggctc cgcgaccaaa gcgaggcgac acaggtgatg gcggagccgg gtgagggagg     240
ctcggagacc gtcgcgctcc cgccttcacc gccttcagag gaggggggcg tacccccagga     300
tgccgcgggc cgtggcggta ctccccagat ccgagttgtt gggggtcgcg gtcatgtggc     360
gatcaaagcc gggcaggaag agggccagcc tcccgccgaa ggcctggcag ccgcttctgt     420
ggtgatggca gccgaccgca gcctgaaaaa gggcgttcag ggtggagaga aggccctaga     480
aatctgtggc gcccagagat ccgcgtctga gctgacggcg ggggcggagg ctgaggcgga     540
ggaggtgaag acaggaaagt gcgccaccgt ctcagcagcc gtggctgaga gggagagcgc     600
tgaggtggtg gtgaaggaag gcctggcgga gaaggaggta atggaggagc agatggaggt     660
agaggagcag ccgccagaag gtgaagaaat agaagtggcg gaggaggata gattggagga     720
ggaggcgagg gagtaagaag ggccctggcc tttgcatgag gctgtctgca tgggcccctgt    780
ggaggccatg cagctggaac tgtacactgt gaatgtgtca ggccgacagg gctttccatc     840
aggggggagcc caagtttggc gtatggcacg aaatcgtcga ctcgtgaatt ccgg         894
```

```
<210> 8965
<211> 574
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (114)...(567)
<223> similar to gi5441615 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




<400> 8965
gccccaacac tgtcctatct atgctcccct tcctcctgaa aagctagttt tgacctttcc      60
tcagcttaag cagaggcctg tgtctttctc cacggttaga gaccaggtgg cagggaagga     120
cacaaccagc acaaagactc agaccacagg tccatcctgc cctctacctg ggatgatttt     180
tcaggtcttg cttcctttct ctggagcagg acttcaagct tccaaacctg atgtcatctc     240
caggctggag cggggggacg aaccatagac ccctcacatc ctgagaactc aggggagctg     300
gagctggagg cacaagagag aaggctgtga ttctaggatt gaaaaagagg aaatgattcc     360
aaagcaggac atttctgaag aattggaatc ccagagagca aaatcagaag atcatgtaag     420
gaatatttt aaggaaactg aagagatgag taaaactgag ggaaagttag agaattgctg      480
gagaaaatat gcagtagaag gagttaagaa ctcattcttc cagaagagca atttcagaga     540
aattaccatg aggtatgtga aaaccctctc taaa                                 574




<210> 8966
<211> 367
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (12)...(368)
<223> similar to gi1916229 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




<400> 8966
aactggaagt ccttgccaga gcaatcaggc aagaaaaggg aacaaaaggc atccaaatag      60
gacaaaaaaa attcaaactc tctctcttca tgacaatata attctacaac tagaaaaccc     120
taaagactcc tccaaaaggc tcctgtgact gattaaatga cttcagtaca gtttcgggat     180
ataaaattga tgtataaaaa tcagtagcat ttccaaacaa caaccttcaa gttcatatcc     240
aaatcaagaa agcaattcct tttacaatat ccatgctcaa ggattggaag aatcaatatt     300
attttaatgg ccatactgcc cacagcaatc cacagattcc atactattcc tactaaacta     360
cgaatgg                                                               367
```

```
<210> 8967
<211> 365
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (79)...(366)
<223> similar to gi4379026 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




<400> 8967
cggcacgaga caagggagaa atactgttaa tacagagaaa atctcaaaaa atactgtgag      60
actacagtag attcctgtgc aaataaattt gaaaacctag aggaaatgga taatttctta     120
ggcacgtaca gtttaataaa attgagccaa tttgagatgg aaagcttaag cagaccagtt     180
tccatagaag aaaagagaaa gttatgaagg aactacttcg tacaaaaaca ccaggcccag     240
atagattggc aggaaacttc tgtcaaacct ttagagatca ggtagatagt cctaatgcta     300
cataaattgt tttagagcat aaataataaa ggaaaacttc caagttcttt gaatgaagca     360
agtat                                                                 365




<210> 8968
<211> 377
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (154)...(379)
<223> similar to gi2981631 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




<400> 8968
aaaaaaagaa gcataactga tatgctaaaa aatgagaaaa aaataattta tatgaaatgc      60
tcaattgtaa caacaaaagg caaaagagaa aaagagtgaa agataaaaat aagaacaaag     120
aacaagaaca acaaatagaa aacaataaaa aatatagtag atgttaacca aaccgtatta     180
acaatcactt tgaatgtcag tggtctaaat tcaccagtta aaagaaagag attgtcagac     240
tggatcaaaa aacaagaccc aactatatgt tgtatataag aaacccactt taaatataaa     300
gacacatata aacgggtaga gaaagataca ccctgacaac actaatcaaa agaaagcaga     360
attatctatg cttatgt                                                    377
```

<210> 8969
<211> 418
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (406)...(420)
<223> similar to gi3168604 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8969
gtcttgctgt agcctagtga gaataaaaga gcagtcactt tctctgaagt ctagcctccg   60
cccacttaac atgactctct tctttctttg aaggtttgag ggcctgtgtc tgctgtccct   120
gctggtaggg gagagcccca cagagctatt ccagcagcac tgtgtgtctt ggcttcggag   180
cattcagcag gtgttacaga cccaggaccc gcctgccaca atggagctgg ccgtggctgt   240
cctgagggac ctcctccgat atgcagccca gctgcctgca ctgttccggg acatctccat   300
gaaccacctc cctggccttc tcacctccct gctgggcctc aggccagagt gtgagcagtc   360
aacattggaa ggaatgaagg cttgtatgac ctatttccct cgggcttgtg ggtctctc   418

<210> 8970
<211> 392
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (139)...(395)
<223> similar to gi5802816 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8970
caaacatggg gctcgaaccc gggtcgaagg gtcgccagag cgatggttgg agaacatgga   60
actacgctgg agcacacctg agtactctta agcaatcccc atggtaagta agaaggggag   120
ctcggaagca tcagggtaac aatgggacaa gggtcaagca ggcacaaggc ttatttgagt   180
ctgcctcggc agctcctcag aaaaggagga gtgaaagtta gcactagctg acttatgcag   240
cttttagta tggtagagaa atattgcccc tggtttccga ctgaggaaat atggatgtag   300
aggtctggga ggaggtaggc agcgcactga aaaaggcgta taaggatggt gctgaggata   360
ttcctataac tgtctggtca gtgtgggctc tg   392

<210> 8971
<211> 479
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (44)...(461)
<223> similar to gi2981631 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8971
ggaacataaa ggataaaaga cataatagag gacaaatagc aaaatgacag aattaagttc   60
tctcttatca gtaattatat taaatgtaaa tgaattaagc tcttcaatga aaaggcagag   120
attggcagaa tggattttaa aaagaaccat gatccaacta tatgctgtct ataagagact   180
tattttagat tcaaagacac aaataatttc caagtgtaaa gatggaaagc ataccatgca   240
aacagtaacc aaaaatgagc tgaagtggct atgctaatat cagacaaaat ggacattgac   300
acaaaaatgt ttcaaaaaac aaagaagtac attaatatga taaaatgttc aatgtattaa   360
gaagatattg caattataaa caaataggca cttatcaaca gagaccaaga acctatgaca   420
aaagattgac agaattgaat gaaaagttaa aaaatagtcg gaggccaggt gcagtggct   479

<210> 8972
<211> 443
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(444)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (55)...(403)
<223> similar to gi5824531 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8972
ttgttcattc gctcagagcc acaggaggag gggagaggcc tggaggacac caacatgaac   60
aagttgaaat catcgcagaa ggataaagtt tgtcagttta tgatcttcac acaatctagt   120
gaaaaaaacc gcagtaagtt gtctatctca aaatgactgg aagttagatg ttgcaacaga   180
taattttttc caaaatcctg aactttatat atgagagagt gtaaaggat cactggaaag   240
gaagaagtta gaacaactgt acaatagaga caaagatcct caaaatgaga ataaaattgg   300
aatagatggt atatagcagt tctgtgatgg cctggcactc aatccagcca gcattagtgt   360
gttgattatt gcatggatgt tcagagcagc aatacagtgc ggacgcgtgg gtcgacccgg   420
tnntcggacg cggtatccca aga   443

7462

<210> 8973
<211> 1772
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (147)...(0)
<223> similar to gi854065 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8973
aagcccctgg gaatccccgg tcgacctacg cgtccggtga ggagcatggg tctccggcag   60
cccccagct tttactgggc ctaggcccag ttgctggccc taagttgtac ccgagactct   120
acacagacat ccacacacac acacacac actctcacac acactcacac gtggagggca   180
aggtccacca gcacatccac tatcagtgct agacggcacc gtatctgcag agggcacggg   240
ggggccggcc agacaggcag actgggagga tggaggacgg agctgcacac gaaggcaggg   300
gacccatggc gaggaggaat ggccagcacc ccaggcagtc tgtgtgtgag gcatagcccc   360
tggacacaca cacacagaca cacacactac ctggatgcat gtatgcacac acatgcgcgc   420
acacgtgctc cctgaaggca cacgtacgca cacacgcaca tgcacagata tgccgcctgg   480
gcacacagat aagctgccca aatgcacgca cacgcacaga gacatgccag aacatacaag   540
gacatgctgc ctgaacatac acacgcacac ccatgcgcag atgtgctgcc tggacacaca   600
cacacacacg gatatgctgt ctggacgcac acacgtgcag atatggtatc cggacacaca   660
cgtgcacaga tatgctgcct ggacacacag ataatgctgc cttgacacac acatgcacgg   720
atattgtctg gacacacaca cacacgtg tgcacagata tgctgtctgg acacgcacac   780
acatgcagat atgctgcctg gacacacact tccagacaca cgtgcacagg cgcagatatg   840
ctgcctggac acacgcagat atgctgtcta gtcacacaca cacgcagaca tgctgtccgg   900
acacacacac gcatgcacag atatgctgtc cggacacaca cacgcacgca gatatgctgc   960
ctggacacac acacagataa tgctgcctca acactcacac acgtgcagat attgcctgga   1020
cacacacatg tgcacagata tgctgtctgg acatgcacac acgtgcagat atgctgtccg   1080
gatacacacg cacgcacaca tgcagatatg ctgcctgggc acacacttcc ggacacacat   1140
gcacacacag gtgcagatat gctgcctgga cacacgcaga ctgacgtgct tttgggaggg   1200
tgtgccgtga agcctgcagt acgtgtgccg tgaggctcat agttgatgag ggactttccc   1260
tgctccaccg tcactccccc aactctgccc gcctctgtcc ccgcctcagt ccccgcctcc   1320
atccccgcct ctgtcccctg gccttggcgg ctattttgc cacctgcctt gggtgcccag   1380
gagtccccta ctgctgtggg ctggggttgg gggcacagca gccccaagcc tgagaggctg   1440
gagcccatgg ctagtggctc atccccactg cattctcccc ctgacacaga gaaggggcct   1500
tggtatttat atttaagaaa tgaagataat attaataatg atggaaggaa gactgggttg   1560
cagggactgt ggtctctcct ggggcccggg acccgcctgg tctttcagcc atgctgatga   1620
ccacaccccg tccaggccag acaccacccc ccaccccact gtcgtggtgg ccccagatct   1680
ctgtaatttt atgtagagtt tgagctgaag ccccgtatat ttaatttatt ttgttaaaca   1740
tgaaagtgca tcctttccct ccaaaaaaaa aa   1772

<210> 8974
<211> 1889
<212> DNA
<213> Homo sapiens

<220>

<400> 8974
tgcgtttgtc aaagcacaga cttcctgttt tgcctgctag catctccctg taactctccc   60
aatcttgagg agtgatccct gtcccagccc ctggaaaggg gcaggaacga caaactcaaa   120
gtccaggatg ttcaccatga caagagccat ggaagaggct ctttttcagc acttcatgca   180
ccagaagctg gggatcgcct atgccataca caagccattt cccttctttg aaggcctcct   240
agacaactcc atcatcacta agagaatgta catggaatct ctggaagcct gtagaaattt   300
gatccctgta tccagagtgg tgcacaacat tctcacccaa ctggagagga cttttaacct   360
gtctcttctg gtgacattgt tcagtcaaat taacctgcgt gaatatccca atctggtgac   420
gatttacaga agcttcaaac gtgttggtgc ttcctatgaa cggcagagca gagacacacc   480
aatcctactt gaagccccaa ctggcctagc agaaggaagc tccctccata ccccactggc   540
gctgccccca ccacaacccc ctcaaccaag ctgttcaccc tgtgcgccaa gagtcagtga   600
gcctggaaca tcctcccagc aaagcgatga gatcctgagt gagtcgccca gcccatctga   660
ccctgtcctg cctctccctg cactcatcca ggaaggaaga agcacttcag tgaccaatga   720
caagttaaca tccaaaatga atgcggaaga agactcagaa gagatgccca gcctcctcac   780
tagcactgtg caagtggcca gtgacaacct gatcccccaa ataagagata aagaagaccc   840
tcaagagatg ccccactctc ccttgggctc tatgccagag ataagagata attctccaga   900
accaaatgac ccagaagagc cccaggaggt gtccagcaca ccttcagaca agaaaggaaa   960
gaaaagaaaa agatgtatct ggtcaactcc aaaaaggaga cataagaaaa aaagcctccc   1020
aggagggaca gcctcatcta gacacggaat ccaaaagaag ctcaaaaggg tggatcaggt   1080
tcctcaaaag aaagatgact caacttgtaa ctccacggta gagacaaggg cccaaaaggc   1140
gagaactgaa tgtgcccgaa agtcgagatc agaggagatc attgatggca cttcagaaat   1200
gaatgaagga aagaggtccc agaagacgcc tagtacacca cgaagggtca cacaaggggc   1260
agcctcacct gggcatggca tccaagagaa gctccaagtg gtggataagg tgactcaaag   1320
gaaagacgac tcaacctgga actcagaggt catgatgagg gtccaaaagg caagaactaa   1380
atgtgcccga aagtccagat cgaaagaaaa gaaaaaggag aaagatatct gttcaagctc   1440
aaaaaggaga tttcagaaaa atattcaccg aagaggaaaa cccaaaagtg acactgtgga   1500
ttttcactgt tctaagctcc ccgtgacctg tggtgaggcg aaagggattt tatataagaa   1560
gaaaatgaaa cacggatcct cagtgaagtg cattcggaat gaggatggaa cttggttaac   1620
accaaatgaa tttgaagtcg aaggaaaagg aaggaacgca aagaactgga aacggaatat   1680
acgttgtgaa ggaacgaccc taggagagct gctgaaggta ttataaagac gggacagata   1740
ggtgacaggt ttaaatcctt gaaggagaag tggagcttta agagcagaaa tgtgaagagc   1800
tcccgttagg attcaacagc atgatttata aggagttaaa tgttcataga aaaaaaactg   1860
tgggtgacaa agttaggagc acatattgt   1889

<210> 8975
<211> 478
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (106)...(445)

<400> 8975
```
gaatggggta tttgcaagca gtgaatgagg aggcctggaa ccaatcttct gctgatattg      60
aggcacaact gaaaaaggca tattacttaa atctcttatt gtattgtaaa ctgtataagt     120
aatgaaatta aaaggcagaa attgtcagac tgaataaaat gaaaagacca aacaatatgc     180
tgcttacaag aaacacaatt caaatataag gacacaatta gtttaaagga aaagaactgg     240
aaaagatata ccatgataac acaagtcaga agaaagctgc tgtggatata ttaatatgag     300
atgtagattt cagagcagtg aatattgcca ggcataaaga aagttattac ataataatta     360
aggtatcagt tcatcaagaa gatgtaataa ccctaagtat ttatacaact aatatcagag     420
cttcaaaata catgaagcaa aaaccagtgg aattgatagg agaaacacac aattacac       478
```

<210> 8976
<211> 1068
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (496)...(1052)
<223> similar to gi206716 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8976
```
aaccgaatgc gggtcagagt cggctaacaa cgactttctc actatttcct gcgctgaatc      60
gggtggccag ggcccctcac tgtgaccttg gaacctcgac ttcccacagg gctgtttcct     120
cgcctgtaaa ggaggagggg cgttcagaga ccacctcatt ctgggtgctg aatccaggca     180
gaatcagagg gagattccgc cttcccttcc acgcagggcc cctcgaggga gcctgcgagg     240
tcttaagagt ctgggagaac acccgggggc aggtgcacgc cctaggcaag acgccagggc     300
taaatcccgt gaagaacggt aatcccttcc cgatccggag ggctgaccca ctcagagcct     360
ccatgtgctc ttggaggaca aaagcccctt ttccagaagg gagcgccaag atgatcgctc     420
caggccgcac gggcccttgc ggggggcccca gagagtctca ggggagggtc tctgaccccta    480
acactcgcag gcagggtgga cccgtctcca gattccacgc ccaggccgct ttccccaggt     540
cctgcggagt ccagccccag caggacgggt tgggcaggca ccaaccagcc cctgacccct     600
ggctccaggc caaaggggac gctcacccag gctttgggtc tcccttctcc tggccgatgg     660
gaccggcggg cgggccacct ccaaccgcct tcgcagacgc cctcacccag gaagcaggcg     720
agatcctcaa cctccgccgg gaaacccca accccaggtg accgaaaagc aagacgccca      780
cctccccctga ccaagaccgg cctggccagg acccctggc tcccgcctcc aagcagggag     840
cttcacgccc acacacagag gccgggctcg aggccggagc gcccggggga gcccggcagg     900
ccgcgccggg aggaacctct agtccccct caaaccctgg gacttcaccc ccaagctcca      960
tgctggcgcg ggaagccccc ggggccggcc tttcgcaccc caggccgccc cgcgccgagg    1020
ccccaggctc ccgtcggata aaggaacagg caccgcggcc tccattcc                  1068
```

<210> 8977
<211> 722
```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (211)...(725)
<223> similar to gi2950243 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters


<400> 8977
```
aaggtctagc caacattcat tcgttcctat tccaagaccc tgcttatcaa cggtgcaagt   60
atttctacat aattttctct tcctttatg ctgtagagca taccgcttgt gggaaatgga   120
gggaaggccc acggtcccga caatgtttgg gcagggtacc tcgtcccagg tggatcgccc   180
accttactgc tgcatagacc tgctgtgtat cccggcccca gccccggccc cggcccgacg   240
tcctctagcc cctcttccca gcactcagga ccgcggattt cagatgacca aaggccaccc   300
tgtgacaaca gcgtcggaac cacggcactt ccgcctgcgg ccggtgagac tacaaatccc   360
agaagccccg cgcaagtctc gtcccactac caccccctcc catcacgact cccagaaccc   420
tccgcgagac gccagggcct cgaaatagaa caaaaccggc cggtggggga gggggaaggt   480
gagggtctcg gaggacacag ggggttagag agctctctgc aaatgccgaa gacccaagca   540
ggcctgccgc ctacccctcc ccgccccaca actgctaggc gcggagaccg cggcctgttc   600
cccgcgcctc ccgggaagct gaggaaggtc ccggacaggc ttccccgccg gctcctgcta   660
agaggtccgc agaccctagc ccggtgtccc ccctccctct cataacgttc cccgcacacc   720
gg   722
```


<210> 8978
<211> 597
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (90)...(533)
<223> similar to gi4678718 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters


<400> 8978
```
gtacccttcc gttattcccg ggtcgacgat ttcgtggttg gaggaggtgt ggggccgttg   60
ccgccaggaa aaacagcact ggaggcaatg tttctataaa tcaaagaaga gacagtgtga   120
gaatgtcagc cctcaactgg aagccgtttg tgtacggggg gctggcctcc atcactgctg   180
agtgcggtac atttccaatt gatttaacca agacacggtt ccagattcaa ggccagacga   240
atgatgcaaa atttaaggaa attatatacc gaggaatgtt gcacgcatta gtgaggatag   300
gcagagaaga agggctgaaa gcactctact cggggtgagt aggccttcat gcatttctgt   360
gtcactgttc actgtttcac atgggtatag acttcagacc aagactgcac agatcacaag   420
taaaaagttt gaggtgtgtt tgaaaagaac aaatagcatg atagattttt cacttttaat   480
ttcaactcta atttctaagt atatatatta tgcagcagat gttttggaga aactgtttta   540
ctatattcaa gtacagacag acaacaataa aaaaatatgt ttgtttaaaa acattct   597
```


7466

```
<210> 8979
<211> 1210
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (692)...(0)
<223> similar to gi4584086 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




    <400> 8979
ggaagtagga ggagagtcag gactcccagg acagagagtg cacaaactac ccagcacagc      60
cccctccgcc ccctctggag gctgaagagg gattccagcc cctgccaccc acagacacgg     120
gctgactggg gtgtctgccc cccttggggg gggggcagca cagggcctca ggcctgggtg     180
ccacctggca cctagaagat gcctgtgccc tggttcttgc tgtccttggc actgggccga     240
agcccagtgg tcctttctct ggagaggctt gtggggcctc aggacgctac ccactgctct     300
ccgggcctct cctgccgcct ctgggacagt gacatactct gcctgcctgg ggacatcgtg     360
cctgctccgg gccccgtgct ggcgcctacg cacctgcaga cagagctggt gctgaggtgc     420
cagaaggaga ccgactgtga cctctgtctg cgtgtggctg tccacttggc cgtgcatggg     480
cactgggaag agcctgaaga tgaggaaaag tttggaggag cagctgactc aggggtggag     540
gagcctagga atgcctctct ccaggcccaa gtcgtgctct ccttccaggc ctaccctact     600
gcccgctgcg tcctgctgga ggtgcaagtg cctgctgccc ttgtgcagtt tggtcagtct     660
gtgggctctg tggtatatga ctgcttcgag gctgccctag ggagtgaggt acgaatctgg     720
tcctatactc agcccaggta cgagaaggaa ctcaaccaca cacagcagct gcctgactgc     780
aggggggctcg aagtctggaa cagcatcccg agctgctggg ccctgccctg gctcaacgtg     840
tcagcagatg gtgacaacgt gcatctggtt ctgaatgtct ctgaggagca gcacttcggc     900
ctctccctgt actggaatca ggtccagggc cccccaaaac cccggtggca caaaaacctg     960
gtgaggcctc cccccttccca agtccattcc cactgtaggc cgatgcctgt gcaaaggacg    1020
cagtgccata tcagagagga tccttgaaga ggactcaccc caagcaaggg aaaattggtg    1080
ggggaacttc tgccttcctg gtttccttga ctttggcctc ctcctcttcc tccttatctt    1140
ctccaacctc cttcctttat ttgttccaca gactggaccg cagatcatta ccttgaacca    1200
cacagacctg                                                           1210




<210> 8980
<211> 1108
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (693)...(855)
<223> similar to gi4809026 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400> 8980

```
catatgaaca  tttcaataaa  ggtagaaaaa  gcacttgata  ttgaatgctt  tcctcttgat     60
tttacaacca  agacaaggaa  gtccattatc  actatttcta  ttcaatagtg  gacatactag    120
ccagcaacaa  aactaaaagg  tataaagatt  acaggaaagt  taaaccatct  ctattcacag    180
actgcaagat  tgtaatcaca  taaattccaa  aagactctac  agactctaca  gtcccacggc    240
agcccttcc   tccgcgccgc  ggcggcgcct  ccggcccacg  tcacgctcgc  gccattgttt    300
cccagccgct  gctcgctggg  accccgccag  ccctcgagcg  cggccattcg  ccgcgttctg    360
ccctctcccc  cctttcctca  cgctggtggt  ggcccttttcc  tcagtcctgc  tgatgtcctc    420
cagctgattc  caggctgttc  ccggccaccc  ctgaggccgt  cctttcgctt  cttgtaaaag    480
cctccccgcc  tcctgagctc  cctcggtcgc  ctcccgagaa  gccaacgggc  ctctctggtg    540
gagcgctagg  ttgacagcgt  tttagcagga  ccgcgagaaa  ccggggagat  cctcttacga    600
ggaaaaactc  caagattaca  tccctgttat  ctttcctcca  agtagtttct  gatcataagt    660
tatttgttta  aaaatgatgt  tttaattaga  atttatttga  tggctttttaa aaaactttta   720
ctgacactca  acatgtttgt  ttttgtagga  actgactaag  actttggaac  agaaaccaga    780
tgatgcacaa  tattatcgtc  aaagagctta  ttgtcacatt  cttcttggga  attactgtgg    840
tgcagatgct  aatttcagtg  actggattaa  aaggtgtcga  agctcagaat  ggctcggaat    900
ctgaggtgtt  tgtggggaag  tatgagaccc  tcgtgtttta  ctggccctcg  ctgctgtgcc    960
ttgccttcct  gctgggccgc  ttcctgcata  tgtttgtcaa  ggctctgagg  gtgcacctcg   1020
gctgggagct  ccaggtggaa  gaaaaatctg  tcctggaagt  gcaccaggga  gagcacgtca   1080
agcagctcct  gaggataccc  cgccctca                                         1108
```

<210> 8981
<211> 947
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(948)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (601)...(947)
<223> similar to gi2246532 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8981

```
tgctgacctc  caaataccgt  taagctggag  cctcggtggc  catgcttctt  gccccttggg     60
cctccccccca aacccactcc  accttactac  cagacaacct  tagccaaacc  atttacccaa    120
ataaagtata  ggcgatagaa  attgaaacct  ggcgcaatag  atatagtacc  gcaagggaaa    180
gatgaaaaat  tataaccaag  cataatatag  caaggactaa  cccctatacc  ttctgcataa    240
tgaattaact  agaaataact  ttgcaaggag  agccaaagct  aagacccccg  aaaccagacg    300
agctacctaa  gaacagctaa  aagagcacac  ccgtctatgt  agcaaaatag  tgggaagatt    360
tataggtaga  ggcgacaaac  ctaccgagcc  tggtgatagc  tggttgtcca  agatagaatc    420
ttagttcaac  tttaaatttg  cccacagaac  cctctaaatc  cccttgtaaa  tttaactgtt    480
agtccaaaga  ggaacagctc  tttggacact  aggaaaaaac  cttgtagaga  gagtaaaaaa    540
tttaacaccc  atagtagggc  ctaaaagcag  gccaccaatt  aagaaagcgt  tcaagctcaa    600
```

```
cacccactac cctaaaaaag tcccccccaaa acctttttaac tgggactccc tccaacaccc    660
catttggggc caatcctatc acccctattt ggaggaccaa tggttnggta taaggtncca    720
tgggaaacat tttcccccccc ggaaaagccc tnggggccag gtnaaaccct gggcctggca    780
attaacaggc ccaatttttn aattnaccca ncaagggntt tttcccccac tgggaacccc    840
aaaaaggggt gcctataggg gagggttaaa aaaaaaaaaa acccgagggg ggccggnncc    900
aantggccca aaggggggggg ntaaaatnac agggngggggt taaaagg              947
```

```
<400> 8982
gcgttctgta attcggcacg agaaattaga aagcagtggc agaagaaaat ttgggaaatt     60
cacaaatatg tggaaattaa acatttaaaa aaacaatgaa tcaaagaaga aatcacaaag    120
gacattaaaa aatactctga aatgaataaa aatgaaaatg caacatacca aaacttatgg    180
gatacaataa aagttgtgct tagagggaaa ataatagctg aaatacttat atattttaag    240
aagatctcaa atcagtaacc cagacttcca ccttaagaag ctagaaaaag gagagcatac    300
taaaaccaat acaagctgaa gaaaggaaat tattagagtg gaaataaaata gaatagaaaa    360
acaatggaga aaataaacta aaagttggtg ctttgaaaag atcaataaaa ttggcaaagc    420
tttagctagg ctgatgatga aaaaagagga ctcaaattac taaaattaaa aaaaaggagg    480
aaaaagtatg acctatttca caggtcttaa gg                               512
```

```
<400> 8983
ctctgtaatt cggcacgagg tgcaacacgt gggggcggtg ccggtcggag ggctcctagt     60
gcgccaggtt gtgggaagtg aggctggcgg tggcgacaac cgaggaggag gggcgggacg    120
```

```
ccgtggagca cggcgaccgg ctgagcgtca tggagggctc aggggagcag ccgggcccac      180
aaccacagca tcccggagac caccgcatcc gcgacggcga cttcgtggtg ctgaaacgtg      240
aagatgtgtt taaagcagta caagtccagc ggagaaaaaa agtaactttc gaaaaacagt      300
ggttctacct ggataacgtc attggccata gttatggaac tgcatttgaa gtgaccagtg      360
gaggaagtct acagcccaag aagaagaggg aagagcctac tgcagagact aaagaagcgg      420
gcactgataa tcgaaatata gttgatgatg ggaaatctca gaaacttact caagatgaca      480
taaaagcttt gaaggacaag ggcattaaag gagaggaaat agttcagcag ttaattgaaa      540
atagtacaac attccgagac aagacagaat ttgcccaaga taaatatatt aaaaagaaga      600
aaaaaaaata tgaagccatc attactgttg tgaagccatc cacccgtatt ctttcaatta      660
tgtattatgc aagagaacct ggaaaaatta accacatgag atacgataca ctagcccaga      720
tgttgacgtt gggaaatatc cgtgctggca acaaatgat tgtgatggaa acgtgtgcag      780
gcttggtgct gggtgcaatg atggaacgaa tgggaggttt tggctccatt attcagctat      840
accctggagg aggacctgtt cgggcagcaa cagcatgttt tggatttccc aaatctttc      900
tcagtggtct ttatgaattc cctctcaaca aagtggacag tcttctacat ggaacatttt      960
ctgccaagat gttatcttca gagccaaaag acagtgcttt ggttgaagaa agtaatggca     1020
cactggagga aaaacaggct tctgaacaag agaatgaaga cagcatggca gaggccccag     1080
agagcaacca cccagaagac cagggaaaca atggaaacaa tttctcaaga tccagaacat     1140
aagggcctta aagagagagg aagcaaaaaa gattatattt caggaaaaa cagagggaga     1200
caaggaagga gcagcggaaa agacttttgg ggctgccgct ctgcttgagt tgaaaggaaa     1260
cgccgatggt tttatttgtt agcttgttct tttccacccc actcccctgc tgctgtcttt     1320
gctggacttt gtggcccctt caaggccgtt tgtggtctac tgtcagtaca aagagcctct     1380
gttggaatgc tacacaaaac tgc                                            1403
```


<210> 8984
<211> 449
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (91)...(452)
<223> similar to gi473945 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8984
```
ctgcgctgca ggaattcggc acgaggaaaa aactactttt aaggaaatat agcatctatc       60
gtgaacgtgg aaaagtaaag ataattcacc atgcctgctg tggctttagt tcctaaagaa      120
ctctacctga gttcttcact aaaaagacctc aataagaaga cagaagttaa accagagaaa      180
ataagcacta agaggattac gtccattcaa tacttggaac tgcaaacatc aaaaaagcca      240
ttgaagaagc tgaaagactc tctgagagcc ttaaactaag atataaagaa gctgaagtcc      300
ggaaataact tgaggaaaag gacaggcaga aggaagcaca gcaactacaa caaaaaaggc      360
aggaaacagg aagagaggat ggtggcacat tggctaaagt ttctttggag aatgtattgg      420
attccaaaga caaaacccca aaagggcat                                        449
```


<210> 8985
<211> 5989

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (5344)...(0)
<223> similar to gi3059111 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 8985
ggccccgcag aggacttgcc tccaccgcca cctgcaagtc cgcccagctg gacttctgcg   60
caggctccag gagttgtttg ctgtctctat gtcaacccag tagctggagt ctgaagatgg   120
agaccaacga gtctacggag ggatcgcggt cgcggtcgcg atctttagac atacagccca   180
gctccgaagg actggggccc acttcggaac cgtttccttc ttcagatgac agtcccaggt   240
cggccctggc agctgcaacc tcagcagctg cagcggctgc atcagctgct gcagctactg   300
cagccttcac cactgccaaa gcagctgcat tatctacaaa gaccccagcg ccctgttctg   360
agttcatgga gccgtcctct gaccccagcc ttcttgggga gccctgtgcg ggacccggct   420
ttacccacaa tatagcccat gggagtcttg gctttgagcc cgtctatgtt tcctgtattg   480
ctcaggacac ttgcactaca actgaccata gttctaatcc tggccctgtt ccaggctcta   540
gctctgggcc tgttcttggt tccagctcag gtgctggcca tggctctggc tctggctctg   600
gtcctggctg tggctctgtc cctggctctg gctctggtcc tggtcctggc tctggtcctg   660
gctctggtcc tggtcatggc tctggctctc atcctggtcc tgcctctggg cctggtccag   720
acactggccc tgactctgag ctcagcccct gtattcctcc agggttcaga aacctggtgg   780
cagatcgggt ccctaactat acctcctgga gtcagcactg cccctgggag ccccagaaac   840
aaccaccttg ggaatttttg caagtcttag aaccgggtgc ccgaggacta tggaaacccc   900
cagacattaa agggaagctt caggtttgct atgaaacttt gccgcggggc cagtgcctcc   960
tctacaactg ggaggaagag agagccacca accacctgga tcaagtccca agcatgcagg   1020
atggctctga gagttttttc ttccgacacg gacaccgggg actgctgact atgcaactaa   1080
cgtcacccat gccctccagc accacccaga aagactcgta ccagccacca ggaaacgtct   1140
attggccact tcgagggaag cgtgaagcca tgctggagat gctcctgcag catcagatct   1200
gtaaagaggt gcaggcagaa caggaaccca caaggaagct cttcgaggtt gagtctgtga   1260
cacaccatga ctaccgaatg gagctggcac aagcagggac tcctgcccca acaaagcctc   1320
acgactaccg ccaggagcaa cctgagacct tctggataca gagggcacca cagctgccgg   1380
tgtgtgaggg tgacttggtg ttgggggcag agcggggcag gaaaggtagg gcagagttgt   1440
tttgttctgg cttggggaga gtgggatcca tcctcatgct ggcactcctc cagggtgtca   1500
gtaacatcag gacattggac acaccattcc ggaagaactg cagcttctca acaccagtac   1560
ccttgtctct ggggaaactt ttgccctatg aacctgagcc ttacccctac caattgggag   1620
aaatatcttc ccttccctgt cccggaggaa ggctgggtgg tggcgggggg agaatgactc   1680
ctttctgagg ggtgaggagg gaagtggggt atggaatatg gaatctattt ctgtctgcac   1740
tagagaggtc gggaggaagt taattctcac tgtacttgaa gaggctttac ataaagggtt   1800
ctctttcatc cccaagactg ctaatttagt gattctgtga gtcactgtgt gcataccca   1860
taacctttcc ttgggattgc ccctatccca cactatgaca tcagaacttt ttttattatt   1920
gttttatatt tgaccaagag atagttctgg tttagataca gatatttaca gaaagcacgg   1980
gaggaagggg accaagccag agagggacag gtatatgtac aggggctaag ctgcagaggg   2040
ctacaacttc catataaggt aggttttttt gtggctgttt tccattgcat atgaaaatgt   2100
ccatttctgg tgtgtgcaga catggtggcc attgcccacc caggtaccag cagcagaaga   2160
ctatctgact tggaaagaat gggggtttac aggagtccag gaggtccttt ccgctctcct   2220
aagagccagt atgttcgcat ctttcctttt cccttcattt ccacatcccc ccgaagctct   2280
agctggaagc atcctagctc atctagggca tccttggtgg tagaggagac atggatcttc   2340
agcgcttgac cattagactc cattcgagaa gcagtgttca ctgtgtctcc aaaaagacaa   2400
taacggggca tcttcaggcc aacaacccca gcacagactg gcccagtat gaaccccctat   2460
gcgtagcctc agctggtcat tggggtcggt ggcggatgcg aaaggaagaa actgcatcta   2520
gtaatgctag ggccatacga gcaatttctg gtgcatggcg ttgaccaatt cggccctgg   2580
gaggccagat accaccatgt aagcatcccc aatcgtctcc accttggtag gaaccaaagt   2640

7471

```
ttgccaataa tggcatccaa gcagggaata cggccattaa gaagggtcac taccggcatg   2700
ggggggtcct cctccgaaca atgtgtgtaa gccaacattg tccatcgagt ggatggtaaa   2760
actgttcaaa ggctcaaccc gtaaagttcc tcccccgttt aactggctct gcacctgatg   2820
ggggtaggat ttggtagagc agagcttcag ccttgcgttt ttcctccaga taggcctgtg   2880
tgcgttcctc caccagcttc tccaagttat tggcatactg ttccatgcgc agcaggaggt   2940
tgtccaatat gctggtgcca ccctccttgt taaagcgccg aatgaagccc ttaatctgtc   3000
caaagtctgg ccgctcagct gggtcctgag cccaacatcg ctccatcagc aaaactagct   3060
cttccattca gttgggtccg gtcaatgctt ggccggaaat atggccgctg accatttcgt   3120
accttctgga caatctcttt ggggctgagg tccaggccct ccaagtagaa aggaccactg   3180
cgaagtgcta tctcctgcag gatgatccca aagctataga cgtcagcctt ttgcatgcct   3240
gtggttggca agggttccc actgagcagt tctggggcag tccacagctt cttggcatag    3300
agggcatggc tgtcatcagg ttcagcagtt gatcggaagc tggccaggcc atagtctgtg   3360
attttgagca caaaacgact atccaccaca cagttggagg acttgagact cccatgcgat   3420
gaaataatgc tgttgtggag aaaggccatg cccttaacaa ggtcattaat gagtgaataa   3480
cgaaacatcc agtccaagtt gatgctgtca ttttctagaa tatcctgtaa actcccacga   3540
ggacagtatt cagtgacaat gcaaatgttg ggagggtcta tgcaggcgcc aatgaagcga   3600
gtgagatggt tgaactgaac atctctcata tgtttgagtt caaacagaac ctgccgggtc   3660
agctcaatgc gcttcttatt cacatgtttg atggcgacaa catttccctt gaagtgaccg   3720
gtgttggcaa agatctggta tttcccatgg gctgtcatga gcgagccgta actggatccc   3780
cgcagcgaca gtgtgaggcg actgcctgca cctttgtgat aacgctctga gttgccaaac   3840
tgcagttctt cccagcgaat acgccacaac atgctagcca gctccttctc cagcatcagg   3900
tttcggaaaa ttaggaagct ggaaacacca aacatgatga aggtgattcc tgtgcccaga   3960
gccacaattg ccagggttga aagtggagtt ttatcacagg atgggtcgtc caagtcaaag   4020
gcacagggggg gattgtccga gggaggagcc cccttcaccc agggaatagg ccgtcccgtc   4080
caccaaatct gcttctcagc tcccgagtag tgggctgcag gctgaaagtc cccagaatcc   4140
aggtctccca tggcccagag gacaaagtca gtctctcggt cattgttctt gtccatgaca   4200
accagcccag ttacaccgtg atatcttcgt ccctgcatct tttccacaat tcgaagtcca   4260
tcctcccggg tgcctccttc ctgtattgtc tcattcagga cttcagcata tagcaggatc   4320
ccatcataga agcagccagc gatgaggttc atcagggaag ggcccagctc cacaccaaag   4380
tcttcccggg ctcttatcag cagacgattc tggaattcct gatactcagg atttgggggt   4440
tctcggtacg tgatcaccaa tacagtctga aaggcctctc tgagggcctg ggcctgttcc   4500
cgggtgcgat tgtcctgcca gggccggcct gtatcacttg tggggcctgc acggagactc   4560
tccccaaaga catccaggta aaagaagaca taatccccat tggtcagatt ctccctctgg   4620
gcctgaagca ggatctcatg cagcatctcc agagggccgc agatatacac aatgcgcccg   4680
ttggcccgga tgaagtgggt ggcctgctcg gggcccccctg gctctcgggc atacacctgg   4740
tgctgcacac tgaggttgct gccctgcagg gcctcaaaga cgccctcgat ggtgaagtag   4800
tgaggccggt catctgtgcg agcatccagg tagagcaagg cagcacgggc agtccaattg   4860
aagtgcccgt gtagtgtcac cacaaactca cccagcttgg gagcagaggg gccagtgcga   4920
accagggtac gataatggtc attcttagcc gaaaaaccag aggccacagc acccgcagtc   4980
agcaggggaa ggcgccagtg ggaggcaaag cgggccacag aggcagcagg gtacacgcaa   5040
ccgggaccta acagcaggtc ggggtcatgg tacagcttga ggtccacagc gctcagcggt   5100
gccaggtact cagagcaggc gccttccagt tcggagctga caaaccgcag gtccacgggc   5160
agtgcccggc ccagagcctc cacagctagt gccacagcgg gtcccacccg tggccaggcc   5220
caggcatagc tcaggttgtg ttctggcagc accaccgcca gcgtcaggtt ccgcgccccg   5280
ggaggacgca ccccacctgc cagggctgcc accaacagca gaagtgatgg cagcgccatg   5340
gggataaagc agcagcccca ccgcccccag aacttggggc tgctctggcc tacaggggag   5400
acgcgagcac cccccagcct ggagcctggg gaagagggcc aggaagagga ggagtaggct   5460
aggtaggctg gatgcagaa ggtgctgggg gccggggaga ggaggggag atgggaggaa    5520
ggcggggggc gggcaaggag tgggctacca gcctagggca aggactgagg actgagaacg   5580
gggtgtaggg gggataagag tttagggaga ccaattggaa ggctgttgtg agaggttgta   5640
gtggcttgga gaaaggtgag gatggtagaa catgggcaga tccccttttct gtgttggaga   5700
tggttacata caagaggact tgctgatggt tgggatgtaa gctggtgtaa ttaaacccat   5760
ttcacaattc cgagaggaaa ttgtgcccta acaaggtaaa gagacttgct taaggtcact   5820
caccaatcag tggcctcaat gaggttcaag ccagatccct gtagcgccaa agcctatgct   5880
cctaaaagtc agttgattta taatgctaat cagatttcta ataaatttaa gttgagctca   5940
ttggtcattc ctaaataagc ttttgtgtag ataatatctt atgtggccg              5989
```

```
<210> 8986
<211> 2418
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1740)...(2114)
<223> similar to gi1072409 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




    <400> 8986
cggagattcg tacgagcggc accatggccc cgcgggggcg gcggcggccg cggcctcaca    60
ggtctgaggg cgcaagacgt tcaaagaaca ctttagaaag aacacattcc atgaaagata   120
aagctggtca aaagtgcaag cctattgacg tgttcgactt tcctgataat tctgatgtct   180
caagcattgg caggctgggt gaaaatgaga aagatgaaga aacttatgag acctttgatc   240
ctcctttaca tagcacagct atatatgctg atgaagaaga attctccaaa cattgtggac   300
tgtctctctc ttcaactcct ccaggaaaag aagcaaaaag aagttcagac acttctggaa   360
atgaagcaag tgaaatcgaa tctgtaaaaa ttagtgcaaa aaagccagga agaaagctca   420
ggcccattag tgatgactct gaaagcattg aagaaagtga tacaaggaga aaagttaaat   480
cagcagagaa aataagtaca caacgtcatg aggttattcg aaccacagcg tcttcagaac   540
tttcagagaa accagctgag tctgtcactt ctaaaaagac aggaccccctt agtgcccagc  600
cctctgttga aaaagagaac ttggcaatag aaagtcaatc gaaaactcag aaaaaaaggg   660
aagatatctc atgacaaaag gaagaaatca agaagtaaag ccataggctc agatacttct   720
gacattgtgc acatttggtg tccagaagga atgaaaacca gtgacatcaa ggagttgaat   780
attgttttgc ctgaatttga gaaaacccac ctagagcatc aacaaagaat agaatctaaa   840
gtttgtaagg cagccatcgc cacatttttat gttaatgtta aagaacaatt catcaaaatg   900
cttaaagaaa gccagatgtt gacaaatctg aaaaggaaga atgctaagat gatttcagat   960
atcgaaaaga aaaggcagcg tatgattgaa gtccaggatg aactgcttcg gttagagcca  1020
cagctgaaac aactacaaac aaaatatgat gaacttaaag agagaaagtc ttcccttagg  1080
aatgcagcat atttcttatc taatttaaaa cagctttatc aagattattc agatgttcaa  1140
gctcaagaac caaacgtaaa ggaaacgtat gattcatcca gccttccagc tctgttattt  1200
aaagcaagaa cacttctggg agccgaaagc catctgcgaa atatcaacca tcagttagag  1260
aagctccttg accagggatg agaagagcag tctactaaaa tgtgcctata ggaagactag  1320
tctcatgctg ttaccttctg aaactgtacc tttataaatc aattgttttg caaagaagtt  1380
atggcctact tagaatctaa aatttgttat tcaaattaaa tggctgtgaa caatgttaaa  1440
tagcatcagt ttgtccaata gttttaaagg ccataatcat cttttctggt taatatcttg  1500
agtaatttta aaatgttgac accttaatcg gtcccaggta tgagctataa taaacttgta  1560
aaattaagtt gatgtgaaca taattttgat taattaataa ggcgatttct cctgaattta  1620
caccaaagct aattttttaat gaaattgggt ttacaggaag gtaaaaaaca aaaattggga  1680
aaggcaaagt aataaaactt agtttatata aacaggttga atgatatatt tatcaaatct  1740
cacagacatc aggcaaatta tagcctggtg acaaaagtgt tcatagtgaa ttagttactc  1800
ttgtaatact tctataatta gttcatcagg aatttcatcc acttcactgt tataactgag  1860
aagactgttc tctgcagctt cagctaattc agcatcttca gtagcttcta aaaaataagc  1920
atcatcaatg ccattatccc agacagcatc agcagatgca cctgttgaca gcctgctagg  1980
tgatggttta tgaggattct gggtttcatt gctcctagtt tcatctgctt catctgttgt  2040
aaactcttct tcctctttga aaaaaaacag gagacatact tcagcaggta atgggaaaca  2100
gtcagatttg aagttttttg ctttacatac agggtcatga cattttttat accaaacttc  2160
atttttcaga tcaaccagaa tcctttttgt ttaaaaaaaa aaaaagtat taataccaag  2220
actgggtaga aaacaaaatc cagctgcatg ctgttccaag aaatatgcct aagacttaaa  2280
```

7473

```
gatggagaaa aattaaaaag taaaaggata aggatagata cataccaatc aaaacggtgg      2340
ttgccaaaaa tcacacaaaa tgaactgcag ggcaaaaagt agatactgat gaaagttccc      2400
ccaggaagat gtaacaat                                                    2418
```

<210> 8987
<211> 1166
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (800)...(1164)
<223> similar to gi1644232 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```
        <400> 8987
atgttcccac gaaagcgata ttcccgtcca cccagtgtaa aacgccggcc cgtgcccttg       60
cttattatta agcatccatt taggggaaag gtttcaatgc gccgtcccgt gttaagatag      120
ggcccccaa ggaacctta aaaaggcccc cccctttttt tttttttgaa agtataaaaa        180
tcattttact ttaatacaaa atcacataaa gaaaggcatg ttggctaaat caaatattca      240
ctaaatatca gtgaagtcac cactggaatc tcaatagcac attttcctgc tttcttttct      300
cccttctgct aaccattgaa gaccagggtc atccgtggga gcagatgagt aggacacgcg      360
tctgcacgct ggaggccctg ggggttgaca tgggagcagg aagtggaccc ccccacccctg     420
cacatcccctt ctgtttttct tgatttcagt ctcactggcc caggccaaat cttcaagggt     480
gtctagttct gcagccaggg agaaagtgat gccaagagaa cctcgtctcc tccctcctca     540
gtctgctttg aagggggaaat aaatacacag gcctagtgtg tctgtgtggc acagggaggt     600
ggttttgcca ggcatcttgg aaggttgtct tctagaatca gagccatagc cttacttgtg     660
gccttggatc taggtctgtt tccccgatcg aaaaaagaac agcttttta tgattgtctt      720
ctcctccttg ttcctgccag catttttggc actagtaacc acagcatctt tttctcttct     780
tcctcctggg ccttctcttg gtggaatcag gccactcccc gctggccgga gggctctgtc     840
tccgcagccc ctccacctcc ttcctgaggt ggtccctctc catcttcagc tcctccagcg     900
ccaggctgcc ctcattcacc agcgcctcca gcatctccag gacgcggacg actttgaact     960
gcagctgcgt cacccggggg tcgctgccca gggccataag ctcgcggccc aacaggtagg     1020
agatgtcata cacgtcctcg gcggtcagct ggaaggggct cttgcccagc gcccctcgg     1080
gcccaacctc gtccctctcc tcgtcctcct ctccctcctc ctattcctct tctcgcacag    1140
ggggctcctc catggccacc cagacc                                          1166
```

<210> 8988
<211> 791
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (391)...(792)
<223> similar to gi436923 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters


```
       <400> 8988
ggctcaagtg atcctcccac ctcagcttcc aagaatgctg ggattacagg tgtgagccac      60
tgcacctggc ctagattaat ttttattagt cattcgtggg gactagaaaa gatggaatct     120
ctgtatatag ggttcaaagt ttaataagta tctgttaagc tcaatcttaa tatatccttg     180
tttatacttt gcctcattga tgtgccaaag cataggatgt attaaagtct ctcgctagca     240
tactaattcc attatatgtt ttcttctgga gcctcaagtt tcttatttat acatttgaat     300
gcaatataat ttggtactga aagtttcata acagtttaat ctttgctgtg aattgttgcc     360
tttgtcagta taacgtgatc cactttctcc tatttaatac tttttctcct taaattcttc     420
tttttattaa tagcataatc tccgctttct ttcttgtatg tccgctttct ttctttccct     480
ggtgtttttc tttaagcttt ttacatgtca ctgtatttta gttgtttctt ataaacagca     540
tgaagttgga ttttatattt ttacctaacc tgagagttta tttattttta taacttttat     600
ttttatcttt tgtcattttt ttctattatt tacatatttt atgcttctat tctgcttttt     660
tcatttcttt tgacaactat tattgaatga gtaatgtatt ctttattttt aatctttct      720
agtggtgtgt gtgtgtatac acacatatat ttacatattt atatatacag acatatatac     780
actagattat a                                                          791
```



```
       <210> 8989
       <211> 732
       <212> DNA
       <213> Homo sapiens

       <220>
       <221> misc_feature
       <222> (106)...(715)
       <223> similar to gi3063706 in the genepept database release 114,
             Run with FASTXY 3.3t00, default parameters



       <400> 8989
gccgtcaggg cagggagctt ccaaaggcca gtccgagtcc atgccaggcg tccactaaat      60
ctgcctctcc ctctccagcg agcaggtgca gccctcaact cctgcaggcc tggggagcgg     120
agacagggcc tgtaggctcg gacacgaccc ggtcctgatt ttaacagtag acttgagaag     180
gcaagctcag cagacaggct gctggaggat ccaccgctg tctcccgcag cggccccact     240
gaagcggcag aaacacacag aagcaccaaa tctgtcactc tcttcccgta ggaagtcccc     300
agaggtggcc ctccggagga tggtcctgtt ggctgaagat atgaccacac ctgtgcctgc     360
ccagggccac cttcagcttg gcaacaggaa ctccgcacac tggtaccctg gacacacaag     420
gaaaagaaag ttccctccaa gagggtatct ggcccagcct cagccccacc aagcggaggg     480
cagcaaagcc cccgaatgat ttcgcttacc cccacccgcc gtccctgctg gccagacagg     540
cacaccccgt ccatagggca ccccctcccc acggtatcca gctgccctcg cgtccccgtg     600
tggccgctcg cctgcccgcc agaccggac acggggccag gagggtcgcg ctgcccaggc     660
acagatcagc cgctgtcaca cgcacagtgg gtctggggca gcgcaggaat tccaccgcac     720
tggactaatg at                                                         732
```

<210> 8990
<211> 1120
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (96)...(993)
<223> similar to gi3127193 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8990
```
caaggctgta ggagttctgg agctgctggc tggagaggag ggtggacgaa gctctctcta        60
gaaagacatc ctgagaggac ttggcaggcc tgaacatgca ttggctgcga aaagttcagg       120
gactttgcac cctgtggggt actcagatgt ccagccgcac tctctacatt aatagtaggc       180
aactggtgtc cctgcagtgg ggccaccagg aagtgccggc caagtttaac tttgctagtg       240
atgtgttgga tcactgggct gacatggaga aggctggcaa gcgactccca agcccagccc       300
tgtggtgggt gaatgggaag gggaaggaat taatgtggaa tttcagagaa ctgagtgaaa       360
acagccagca ggcagccaac gtcctctcgg gagcctgtgg cctgcagcgt ggggatcgtg       420
tggcagtgat gctgccccga gtgcctgagt ggtggctggt gatcctgggc tgcattcgag       480
caggtctcat ctttatgcct ggaaccatcc agatgaaatc cactgacata ctgtataggt       540
tgcagatgtc taaggccaag gctattgttg ctggggatga agtcatccaa gaagtggaca       600
cagtggcatc tgaatgtcct tctctgagaa ttaagctact ggtgtctgag aaaagctgtg       660
atgggtggct gaacttcaag aaactactaa atgaggcatc caccactcat cactgtgtgg       720
agactggaag ccaggaagca tctgccatct acttcactag tgggaccagt ggtcttccca       780
agatggcaga acattcctac tcgagcctgg gcctcaaggc caagatggat gctggacact       840
ctccagttat ccaatcaaga gtatgatggg tgcccccatt gtttaccgga tgttgctaca       900
gcaggatctt tccaggtgat ggggctttga ggattggtaa gagagtctgg ccccatcccc       960
ctgactccct cacatacatt catgcctatc tatctgaatc tctcgcacac agagagcccc      1020
atgaagccat ttgcatcatc aaagcaccca gaaacccagt ctagtcctga gtggactttg      1080
gttccaggga ggctgagggc aaacatttat ttctcttctt                            1120
```


<210> 8991
<211> 1573
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (163)...(1573)
<223> similar to gi4106549 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 8991
```
tttcgagaag gggcgaggcc cgtttgcagg ggccgctcgg cccggggaag cccgcgcccc        60
gctcagcctt gcagccccgc gcccggagca tctccctgga ggaacggaga caaaggagga       120
```

```
ttcatgtcca aagggctccc agagaccagg acggacgcag ccatgtcaga gctggtgcct    180
gagcccaggc ctaagccagc ggtgcccatg aagcccatga gcatcaactc caacctgctg    240
ggctacatcg gcatcgacac catcatcgag cagatgcgca agaagaccat gaagaccggt    300
ttcgacttca acatcatggt cgttggccag agtggactgg gcaaatcaac gctggtcaac    360
acgctcttca aatcccaagt gagccgcaag gcctccagct ggaaccggga ggagaagatc    420
cccaagacag tggagatcaa agctatcggg catgtgatag aggaggcgg tgtcaaaatg    480
aagctgaccg tcatcgacac cccaggcttt ggagaccaaa tcaacaatga aaactgctgg    540
gagcccattg agaagtacat caatgagcag tacgagaagt tcctgaagga ggaggtcaac    600
atcgccagga agaaacgcat ccctgacact cgtgtccact gctgcctta cttcatctct    660
cccacaggac actccttgcg acctctggat cttgagttca tgaaacacct cagcaaggtt    720
gtgaacatca tccctgtcat tgctaaggct gacaccatga ccctggagga gaagtctgaa    780
ttcaagcaaa gggttcgcaa ggagcttgaa gtaaatggca ttgaattcta cccccagaag    840
gaatttgatg aggatttgga ggataagacg gagaatgaca aaatcaggca ggagagcatg    900
cctttgctg tggtgggaag tgacaaggag taccaagtga atggcaagag ggtcctcggc    960
cgaaaaactc catggggat catcgaagtg gaaaacctca accactgtga gtttgccctg   1020
cttcgagact ttgtcatcag gacccacctc caggacctca aggaagtgac acacaacatc   1080
cactatgaga cttacagggc caagcggctc aatgacaatg gaggcctccc tccggtgagc   1140
gtggacacag aggaaagcca cgacagtaac ccatgacgac cacttctctg tgtcatcaca   1200
catacccact tcacacacac acatcccaaa taccaccacc aaccaccttc ttcctctcaa   1260
ctctgtccca caggcctgtc tggtatttgt ggagcatctt gtctgtgtgt gtgtgtgtgt   1320
gtgtgtgtgt gtgtgtgtgt gacagagaga gagcgagaga gcctgtgtgt gtgcatgcag   1380
gggagaggta ttttcactgc cctccctgga gagtcccttg taagtgtggc tcctccatgc   1440
ctgtccatta tctgtctcct ttttttgtgt cccaaaacaa agctgtttgc ctcactcaag   1500
agatctgggg gaggttttat ttaaaagtgc tgggagcagg tgaccacagg caactcttct   1560
ctcggaacct gcc                                                      1573
```

```
<210> 8992
<211> 1150
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1151)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (532)...(1150)
<223> similar to gi3877563 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 8992
taacaggtta aagaagtgcc aaccttcctt cctgggtggg gaaggggccc aagcttggcc     60
ggggcgaaaa gttttnaagc accattgggg gttttctgta agtgtggagg gtttggacca    120
gggtgggcct gtgccgggcc ctctccacct ggtgcctttg acagacactc cgggctgtcg    180
gtaaggagtc aagtacctgc cggcagcccc cgctagtttt cgatttcccc ccagcactgt    240
ccgaaaactt gaagggcgac ttcaacttgt cctgcttggt gagggagagg gccttgtcga    300
gcttgcttgc caactgctcc tggtcgctgg ccatcttctt cttcttaatc tttagctgac    360
tgatgaagtc cgacgaggcc tcatgttcat cccaagtctg gttcctcccc ctggctttcc    420
```

7477

```
ccattccgat gagggcatca tgttcctcct cagacccctt gtgtctcttt cttatccctg      480
ctcccagctc ataatcatct gatgtcagca gagacttgct gctcagcttt ccgctactgt      540
ggccgctctt ccctctcttg cggggggggcg acagggcgct cggggcgtgg gtccgtttcc      600
gcggcctgcc agggcctctg cgtgccaagc ttctatgggg ttcctcgcgc ctgtcctcgg      660
agtcccggcg cgcctgcagc ttcaccagct cacgctgctt ctccttgtac tggcgctgca      720
cctcggccag ccgcatccgg aagtccagct ccagggcgtc catgtcctcc agggaggact      780
tcatggcata catccgctcc tccttcttgc gcatccagct gtacttcttg ttgggcttca      840
gctcccgcgg gagccgcagg ttcttgagtg ggtccaccac gggcccatcc agcacctccc      900
tcagcatgtg gctgccagct gccagcagac tctccaggga gggccgcgcc accagggccc      960
gctccgcacc tcccatctct tggctcctcc tctccagctc cagctctgcg atctcactta     1020
gcagggtgat gccatgcagg aagctctgct ccaagacaag gctctcggct gcttccagct     1080
tctccaaggc ctgggctcca gcagcacccg gggagggcag aggcctggcc tggggcagct     1140
ccgcagctgc                                                           1150
```

```
        <210> 8993
        <211> 1649
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(1650)
        <223> n = a,t,c or g

        <220>
        <221> misc_feature
        <222> (440)...(1649)
        <223> similar to gi340011 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters



        <400> 8993
ccagccaggg nttagcccta cctangtgan aaaattaaaa nacaaaagaa tgngggttgg       60
ggctcacaag canttcaaca aaccaaatca canaagtgga ctgcagggga acctgggctt      120
agggcaccat ttggcactac acgggctgta gcgttcacgg gcttaaagac caaaaaagac      180
agtatgctta caatttctgg acagacctac tatacaagga caatcacaga caaagccaga      240
ttgcaaagac tgtttataaa tacctacata ttcaatgcac agatatcaat gtataactac      300
aaagatgaag aacagtcagg gaaacatgat gtcaccaaac agacaaagtg ccagtggctg      360
actctaaaga ggcagagata tatgacattc ctgagataat tcaaaatagc tgtctaaagg      420
tataaaactc cctggtaaaa ataactcagg aactgataac caaatgatga tgatgatgat      480
gatcaaccca gaggactggt tgaattcgtt gctcaaacca gagaaaaaca ctgtcctact      540
aaatgatact atttttaaata aattgattgg tcattactgt caagcaattg aagtaatttg      600
tccagataca tataaagatg aaggttttgc tcaaattcaa gtgagattca acagctgaat      660
taaagctatt caagagccag atgatgtata agtggctata gcaaactgca agacatttgc      720
ttttgtgcat atatcttctg cacagtttga aatgtctcaa ggtaatttca aaaaaagtaa      780
acaccttctt cataaagctg taaaatgtgg agcagtacca ctagaaatgc tgcaaattgc      840
cacgcagaat tgaaacctcc aacaaagtag ctgctttcag cgaaggaaaa gagttcatca      900
acattgacaa tattaactac ccaagaatca ttctctagtt cattgaacat ttacagaata      960
ggaacatgct gtaattaggc aattaggcaa gagaaagaaa aggcatctaa attggaaagg     1020
aggaagttaa ctgtctctgt ttacagatga cacgatcata agtagagaaa atcctaaaga     1080
ctccaccaaa aaaactgttc gaactaaaaa acattcagta aagtttcagg atacaaaatc     1140
```

```
tacaaacaaa aactagtatt atttcttttt tttgagacaa gatctcactc tgttgcccac    1200
gctgaagtgc agtgttgcaa tcacagctca ctgcagcctc aactccctgg gctcaaccaa    1260
tcctcccacc tcagcctccc aagtagttgg gaccaccaca cctggctaac ttttgtatta    1320
ttttgtagag aaagggtttt gccatgttgc tcaggctggt ggcaaactcg cgagctcaag    1380
caactcacct gccttggcct cccaaagtgc tgggattaca gccataaacc agtatcattt    1440
ctatacatta atggtgaact atatgaaaaa gaaatcaaga aaatcccatt tacaatacaa    1500
ttaaaaaaaa atatatatat atatatctag aaatacactt aaccatggtg aaaaatctct    1560
aggatgaaaa ctataaaaca ctgatgaaag aaactgaaga gccaaataaa tggaaagtta    1620
tcctgtgttc atggattgaa agaattatt                                      1649
```

<210> 8994
<211> 1468
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (640)...(1468)
<223> similar to gi|322994 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

    <400> 8994
```
ttaaaatcaa ggctatctta tcactttagc tatatgatta cagctctttc aagtagtttt      60
cctttggtac tagaaagtca tttttctaaa gagcattaac atttcaaata agcaaatttt     120
atttagagat gtaaacatgt aaacattaaa aactcaacta aattttatct ttattatgat     180
gggcactgat ttaaactatt aatgaaaata tgtcatgtca gagatataaa gaagaatata     240
tcacccagat agtaacatgc aattaatttc catttgatta atataattgg tgatttaaca     300
cacatacata tatacacagt agtttggagc aatatatagg caaaacacca taataattta     360
tgcacagtat ttaagaatgt gggccttgat aacagaattc caacaagatt ttttttagtg     420
tattaaatgt aattggataa aatacaatta aaagcagcag tgaatatatt tctctatctc     480
actaactgaa aaaaacttat ttatgtaaac tttatacatg tgcattcttg ctctttttcta    540
tatgttttac agttcttggt tcttctttta aaatagtatt tgccactctt ctaaatttt      600
gaatagtcta aatggaggga actgcttgtg atacattagt cttcttcagc atcatatgcc     660
acttctgcta cttctatctc tgatacagca ttttcaggtt cactaaaact taagcatggt     720
ttattatcag ctctagattc ttcatccagg acatcttgat caacctcaag tgcagaggac     780
tccacctta ggatctgttc accttctgtt tctgacacat ccagtgattc ttcaggttct      840
aaagacaatg ttctgattct gttctctaaa gtgtctatat gaagttgctt ctcactgagc     900
agtttcttta gtgattccat ctccttttgt ttttcaagta gttctttctg taagcggtag     960
tttgtctctt ctaaagtttc acagaatgcc ctgctttcct ctaggctatc aaatggaccc    1020
ggtggatcat ccaaacaaag aaattctctc actgcaaggc agttagcaat gtccttgtga    1080
gctactaaat tttgaagaaa cgcttgtaat cctaattgtc tgtcttctaa aaagtcagca    1140
ttgtaattat ctttaaacca gcgttttgga ggaagtgcta gtcgaaaacc tggaaacatc    1200
tcttttaact cacagaaatg ttcagctttg tcctactgct gtaactttgt cattaagcct    1260
agagaagtca gtgtatcttc tgaaaactac ccagctttct tctgggtttt tctttactag    1320
tattttatat acagtaaatt tagctctttc ttccatcact tcataaccca gtatagtagg    1380
tgtagatggt ctatcttccc aattcactgt ttccggattt tgttcttcag tgtctcttgg    1440
tctagtagaa tactcaatgg aagaagct                                       1468
```

<210> 8995
<211> 1024
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (104)...(640)
<223> similar to gi3044086 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8995
ccccgaaatg accaccgtct cacccaatca agacgtgatt catcaagtaa gacccgcgcc   60
tttctggtcc ccaggttcct tcccgctcac gccggagtca cttccgaaga gagaaccgcc   120
atgaagagag aagggggtgc cgcccacctc tgctccgaca gcctcccgga gtcccagcag   180
caagacggca accacgcacc caacttctcc agccacggct catgccgccg tcgccagcgg   240
cgccgacatg acaaggcgct gcatgcccgc taggccaggt ttcccctcat ccccagcccc   300
ggggtcgtcg cccccgcgct gccatctgag acccggtagt accgcccatg ctgcagcggg   360
aaagagaaca gagagtcctg gggacaggta ccgtgcagag ggcttgagaa ggggccgggt   420
cgcgggggca agggtatgag gggagggctg cagaccgccg ctcttccagt tcccgccatc   480
ctccgcgagc tcaggcgttg gcatttcggg gcctggcaaa tccccgcccc gcctccgcgc   540
aggggctact gggagttgga gtttgcttct ctgtagttgg gcagctgctc ttggtctagt   600
gaccaccagc ctggacagct acggagaacc cgccttaggt agaaagaaag tgatttttt   660
cctttgcaag agtttgaccc gggaccctaa ctgcttaatg catatttaga tcgttttctg   720
tacgttgtca gttctactga tcctagtggt ttagtaatat aaacctttc tatgttgtgg   780
gtgaaattat gtaacctgtg atgagggaat cccttccacg aattactttg tagtccagcg   840
tgcacgctag ttcatactta aaagaacttg cagatttgga atgtgacgtg ttttctcttt   900
cagtaacttc gacgcctctc caagaggcta attttttttt aaagattttg tgggagctat   960
gtaatgagat ggggagtttc atctaatgac atcctctgac aataaaacat gtttaaattc   1020
ccta   1024

<210> 8996
<211> 388
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (65)...(328)
<223> similar to gi2981631 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 8996
gcaagacagg aaaaaaagaa tgacagtata aaagaccaca aaacaatcaa aaacaagtaa   60
cagattggca gcagtcagtc tttacttatc aataataata ttgaatatat tggattaaac   120

7480

```
tctccaatta aaagacatag agtggttaaa tggagcataa aaacaatatc caaacatctg     180
ttgccttcaa aaaatgcact tcacctttta aaacacatag actgaaaata aggggataga     240
aaaagatatt ctactctaat aaaattaaaa gaaaacaata tcttaaaaat atcatttatc     300
ataatcaagt aagatttatc cccgggatgc aaggatggtt caacaaatgc aaatcaatta     360
atatgataca ccatatcaac agaatgaa                                        388
```

```
<210> 8997
<211> 547
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (199)...(547)
<223> similar to gi4079809 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 8997
tcttgcctcg gcttcgtgag tagctgggat tataggcgcc cgccaccacg cctggctaat      60
tttttgtatt tttagttggg acggcgtttc accgtgttgg ccaggctggt ctcaaattcc     120
tgatcccccg tgatgtgccc cgctcggcct cccaaagtgc tgggatgaca agcatgagcc     180
acctcgcccg accatgtgtc atttttcttg tatgttacat aagagcttgc attcacaaga     240
gatgggctct gtggtctgtg gaatgaaatg gttaaagatg gagaaattgt atacactgga     300
acagaatcaa cccagaacgg atagctccct cctggaaaag agacgaggtt tcaccgtgtt     360
agccaggatg gtgtcgatat cctgacctcc tgatccaccc gccatggctt cccaaagtgc     420
tggggattac aggcatggag ccaccaaggc ccggccaata tatttggttt ctttatgaaa     480
attatactgg atctgttaca gatgatagtg tcgaaccaag tgggacaaag aaagatctga     540
atgacaa                                                               547
```

```
<210> 8998
<211> 615
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(616)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (277)...(615)
<223> similar to gi1408211 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
        <400> 8998
ggcaaggggc cccctgaccc cttcttccaa atatacgctt ttgtctttta ttcctgcatt        60
cgcccgcttt gttcagtccc cctaggtcca tgtgggttac atagtggcgc cgcagaacag       120
ggacttcaag gacgtaaacg aaaaaggtct gctggagcag aggaactgaa attgagaagg       180
tgaacgggga cctcaggccg agtctgccga caggatata aggagatgga caaaccctgt        240
gggtgccctc aaggtgtgtg caaccatgga atgggagact ggaggaaccc agggtggcca       300
accatgagcc cggtccttct ggtacgaacc atgagacagc tgagcctgag tgtaaagaca       360
gacagaatgc cggccagagt cacaacactg ttctaatgct atgttttctg taaaattgga       420
tggaccacca atcagagaat gagagctacc caggctggcc ttacattctt tcaattaata       480
cataaacaaa aagtgggata tgcagggagc cgaaagcctg tgggacannn nnnnnnnnnn       540
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnntggc       600
caaacttcca ctgcg                                                       615




        <210> 8999
        <211> 409
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (6)...(412)
        <223> similar to gi4926918 in the genepept database release 114,
              Run with FASTXY 3.3t00, default parameters


        <400> 8999
aaaggatgga tgtgactggg gaccccaggg catgagaacc cggcgagatt cagactctaa        60
agctgggccg gctgcaccgc aactgcagcc gtgagcagca caggtggtca cctcccgcct       120
cgaggacctg agcagcaagg cctgtgacag cctggccatt gacaagtccc tgccactgat       180
caccctggtc ctgcagaggc tggcaccacg gtgatgagga ttacttcctg tgtctgcctt       240
ccaatactaa gagtatggca ttgaccaata acgagacgag ggcataggac aattctgatg       300
gagatatggc ttgggtttcc aggcatcctt tgatgtggat gaactatagc ggggcatggt       360
tgaagcagaa gaatgtggcc aggcagctga acaaggctcc atccagtgc               409




        <210> 9000
        <211> 774
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(775)
        <223> n = a,t,c or g

        <220>
```

<221> misc_feature
<222> (445)...(746)
<223> similar to gi3393018 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 9000
ctccgacttc catttcccac cctaaaccgc ctacccggtg tctgttcccc gcccggttgt   60
cctcgccctg ctgcgctgag tgtcccctgt tagcctcgac cccatggcgc tgcagacgct   120
gcagagctcg tgggtgacct tccgcaagat cctgtctcac ttccccgagg agctgagtct   180
ggctttcgtc tacggctccg gggtgtaccg ccaggcaggg cccagttcag accagaagtc   240
atatctgacg gcagcttcca gaacatgctg gctcccatat ccacagagca ctttcctcca   300
acacggctcc ctacccttcc ctgtgcttcc cccagtgctt ccagcaagtc tgtttaattc   360
acgtgtcctt caagactcag atttgtcatc tctaggagaa tttctccctc ctgtgcccct   420
gatctgatcc ctatgctgag tgcgaatgct atgctggact ttgtgttcac agtagatgac   480
cctgtcgcat ggcattcaaa gaacctgaag aaaaattgga gtcactactc tttcctaaaa   540
ggtttagggc ccaagattat cacgtccatt ccaggattaa ctatgggcgc tgggagttta   600
cttacaattt cattggattc atgtgttaat gggtagggtt tattcaaata tgggagttta   660
ttaggcacta ggcgtttngg attgaaggat ctcctcaact gggattaact tattacattg   720
ctgggacgga ttccaaaaac ccggtgaaaa ttatctcagt ggaacggggg tgtt   774

<210> 9001
<211> 1377
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1378)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1324)...(1068)
<223> similar to gi3004653 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 9001
agacagttcc ggtaagacac acagccggcc gaatacattg ggctggggct ttggtcggaa   60
ttctattgct cctctgccac agcaggaggc ctctcgggct ccagatgcct ttggtttcta   120
ttaaagaaac gcagcttgta tttgcactaa ttaaaaacca gaacggaaaa aggggggcagg   180
aacccccgaa agtctgttag gctggaaact gattcccgta gtgcctcagg tgctcatccg   240
ccacagacag gtaggtggct ctcatgctgg gagagtacgt aggcggaggg gaggctctcc   300
cgattagtgg cacgttctcg tagcgtgggt tcctaccaaa gagcatggct tggttcatgt   360
actcggagac aggggcgttg gagatggtct gggccggggg ctgcaggctg gtctgacttc   420
ccaggccact gctgtagctg cagaagctgt gaagctgtcc cctcggggga ctgtgagccg   480
ccatgcgcca ggcttggggg ttaaagggggt catcatcatc aatgtcatcg tagtctctgt   540
ttctggtggt gaagtgcttc caggcccttg gccctgcaca gatcatggtg gagaaggcga   600

```
gggcggccag gaaggagaag aggccaaggt acagcaagcc ctggaggccg tcgtagcaga        660
tgccagcaag agcgtccaga taatccttgt gcagccctcg gcagtccacc atggcggtca        720
gctggtgaag gctggactct gaggagttca gcaggagctg gattgcaagc aggtcttcct        780
ctgcagtgga gaagaggggc acggcaaact gcagcagccc cgcgacctgg atctgcatgg        840
tggtaagtgc gcgctggaag gtggtcaggg tctgctggaa ggggctgctt ccactctggc        900
tgcaatacag gtagtagcga gtcacctctg tgctgatctg gccctccgtg acgttcagga        960
tgaaggtgtc aggagccaca cagaagtcac tggtggccac tgccgcagag ccatcagcgg       1020
ccagggatgc ccaactgagg agcaggctca gtgccccaca gcacagcatc gaggccagga       1080
gacacttgga gcgcttggcc agtcccaggc aggcaatgag gcagatgacc aggtccagga       1140
taaagagcag gaggtaggag agccacctgt agtactccac gtagccagtc tggtcggata       1200
gcttggtcag ctccatggtg acctccctcc acacgggcag tcctgagagc tgaacaacaa       1260
cgctgcccgc catctgctgt atgaacttca gggtctgcag gtaatcgccc cgggcagcaa       1320
agatctcact gagccgggcc aggacgaaat cgtcgacccg ggaatttnnn ccggtac         1377
```

```
        <210> 9002
        <211> 1138
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (316)...(1102)
        <223> similar to gi2226004 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters


        <400> 9002
cgcctagctt ggcaagaggg agatggaccc tgggctcggc gtcctccgga aaactgcact         60
gtgaggcggg gcgatgggga agggccgaag ccccgccagc ccagctaaag cagacggctc        120
gcactgcgac ccgaagcgcg agtcatggct ggggccttag tggcaacaag tgctgagatc        180
agcgggctca gtagcaggaa cacaagcacc cccttgcggt gtctggagga agcggcgcgg        240
acagtctccc gctccaccgt gtcgggcctg aagaggccgc tgaacgctcg cgattactga        300
ggcatctggt aggatcgcaa ggccatcaac ctacaggtga agctcgaggc gctgtggcgc        360
tttgaagccg gagagaagct cagtagaatc gggaaggcgc tggggctgtc caactccacc        420
ttggccacca ttcgtgacaa caaggaaaag atctgggcga gttcccagga ggccacactg        480
caggcggcca ccaagttgac gcgtggccgc agcctggtga tggagaacat ggagcagctg        540
ctgagcatgc ggatggagga ccagagccag cgcaacatgc ccctcagtgt ggtgctcatt        600
cgggagaaag cccacagccc gttcgagaac cgcaagcagg agcagggcga gggcgcctag        660
cccgagagct tcggggccgg tcgagggtga ttcgctggct ttaaggcgcg ccacagcttg        720
agcagcatcg gggccagcgg cccaagaacg cagcgtgcaa gaatccagcg ttaatgcgca        780
gggtgatccc ggagggcggc tacacactct ggctggtgtt caccatgaat aagctctggc        840
tggtgttcac catgaataag cccaggttcc tctgtaagcg cctgccgaga ggacgttcat        900
tttcctgtgg aagatgagtc ggcccctggg tcaaagccgc cggagacctc ctgaccctat        960
tgctcggtgg caacgcagcc ggcgacttca agctgaaggc cctgctgggg tacccctcgg       1020
agaacccgtg tttcctcaag ggctccttca agcccaacct gcccttggtg tggtgctcgc       1080
acaagaaagc ctgggtacag cctgggtgac agagcgagac tccgtctcaa aaaaaaaa        1138
```

<210> 9003
<211> 1768
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1769)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (552)...(1771)
<223> similar to gi2317934 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 9003
```
tttttttttt ttacaacttt tttaatatat atttttataa acaggtcacg tgataaaata        60
gcacaagaaa cccttaccaa atataaggtt atatcttccg catatacagg agaatgaggt       120
cgttatgtac aataagaaaa tgattttagg ggttggttgg ttttgttttc ctctctcccc       180
ttaatttttc ctcctacagt cgttggaaat atcacagctt cagttgcatt aatactttgg       240
gcaaatggac agctgcccct ccccactagg ggttgtgggg aggaggggct ggagaaactg       300
gctcctgacc actcagccct ggagcttcct ggggctggca ctccagggac aggaaaatct       360
ttgggctgtt gatctgtttc tgattcaaca gcatctctct ctctctttct ctctctctct       420
cactctcttt ctctctctca ctctctggct ctctggaaac tggttactct cttccaacca       480
gatagggagt gtcccaagat tgggtgtggg cgcggtatct cctggggctc aaggttggga       540
tgggaagggg tcccagcccc ctcctcagca acagctgaga tttgccagca tcccccagga       600
cttccaaatg tctcgggccg acagagcacg gtcagagccc atttgggcag acagaagttt       660
gggaagctgg ggaggggtga agtgggggtg ggggggcagg ctagaaagga gccctccctc       720
ctcggggtgt ctagggtgtg ctggccactg gaagattgga gtcgctgacc cagtgctgac       780
cctgaccctt ggctgggtcc actctgcaga ctccacctga ggagacccac ccagggtgaa       840
gctcggtgcc caggcctgaa ctgagcccgg ccgggtgcaa gggctgaggt gtgaggtcgg       900
cccaggcctc ttcccaggcc tgagggtggc tacagctcga ggcttgcaag gtgcctgcgc       960
cacccctggg ttgaggccga ccggagtcag ctgggatcac gttaatgact ccaagcgatc      1020
gccagccctt ccgccctctc cctgcccaat tctctcagcc tggccaggga ccaaggccgg      1080
gttttggggc ggacagggga ctgccccaca cagcggcaag gaggaggaga ggccgcgtgg      1140
gtcaggctgg atgggtgagg aggtgcgggt ggggcctggg ctctcggcgg cgggccatgg      1200
ctttggcggt ggcctgtttc ccctgacacc cctcggaggg ctccaggtat ggtgcggtgg      1260
aagatgcagg aagcccgtgg ggctcttctg ggcccgtgtc ctgggggacc cagccccctc      1320
aatcccactg ggccctgccc gggatggggg ggacagtggg aagacagagc gggtgtggcg      1380
gggaaggcgg taagggcaca gtctggagag ctcaaagccc ccccaaggac cgagccccgc      1440
cccccaagcg ggagggcgag cgagtgatgg cggcggctgt ggctgtgggc gtggcggaag      1500
gcggcgtgca gtgcgggcac gaggggcatg cacaaagtcc ccgagtgtgc gtgcgtgcgt      1560
ggggcgggcc cacccgccgc ccccctgccc ggggcggtgc tgggagggcg gagggaccga      1620
aggtcgggga ggggctttcc ctcggctcgc cccgcctccc gcgcttggcg ccggcgannn      1680
nnnntnnnnn acnncangcn nnnaaanaag ggtgggcggg ccccgcgccc ccgcccaggc      1740
atggccgggt tccgtgaccg gtgtggtg                                        1768
```


<210> 9004
<211> 1263

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (210)...(1227)
<223> similar to gi5410230 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 9004
ccgggtcgac gatttcgtgc gggagacggc ggtcgaaaaa acccggcggc ctgaagcttg   60
tgctttcttt gacgcaaggg ctcgagacgc agccgccgtc ggccgagcgc ccggctagaa   120
gcgacaccag acggagcctc cggagttcct ccgcccccac ctcgccgggt cctggagccg   180
cagtcctccc agctgccctc ctcgtggcca tggagtgtcc acacctgagc tccagcgtct   240
gcattgctcc ggactcagcc aagttcccca acggctcccc gtcgtcctgg tgctgcagcg   300
tgtgccggtc caacaaaagc ccttgggtct gtttgacttg ttcaagtgtc cactgtggaa   360
ggtatgtgaa tggccatgca aaaaaacatt atgaagatgc acaagtacct ttaaccaacc   420
ataagaaatc agaaaagcaa gataaagttc agcacacagt atgtatggat tgcagtagct   480
acagtacata ctgttatcgc tgtgatgatt ttgtggttaa tgacaccaag ctgggactgg   540
tacagaaagt cagagaacac ttacagaact tggaaaactc agctttcaca gctgacaggc   600
ataagaaaag aaaacttttg gaaaactcaa cactaaacag caagttatta aaagtaaatg   660
gaagcaccac tgccatttgt gccacaggcc ttcggaattt ggggaacaca tgtttcatga   720
atgccatcct tcagtcactc agtaacattg agcagttttg ctgttatttc aaagaactgc   780
ccgccgtgga gttaaggaat gggaaaacag caggaaggcg gacataccac accaggagcc   840
aaggggataa caatgtgtct ttggtagaag agtttagaaa gacactctgt gctttatggc   900
aaggcagcca gactgcattt agcccagagt ccttatttta tgttgtttgg aagattatgc   960
caaactttag gggctatcaa cagcaggacg cccatgaatt catgcgctac cttttggacc   1020
acctacactt ggaacttcag ggcggtttca acggtgtttc ccgctcagca attctgcagg   1080
agaattctac tctgtctgca agtaacaagt gttgcatgta agatttagtt gccttctgtt   1140
ttttaggagg gcctcagaca tttcttttgg tgttaattat gtgttagatt tataacggaa   1200
ggtagagggg tttcttggac atttgctgga actcttcgtg cccttgaact ttgtgaccca   1260
gtt   1263

<210> 9005
<211> 1396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (387)...(1196)
<223> similar to gi5689421 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 9005
ctaggaggaa atactgaccc cataaaccta aatctcacac acggttttgg acgtttaaac   60
gaatggATTT aacagccttt tggaattcag cctgtttgtc atgactgtcc aaagtatgat   120

```
aatcacatga gagtgctcgt tgctacggat gtcatttgac tcatcagaga aaatctgtct    180
aaaagaaaat atccatgtga ccaaatccat ttcattattg aatggcttga tggatttcct    240
ttactctgat tcataccaaa gctgtccttc tcaaccaaag caagaaagga tcctgcatga    300
gtcaatccca gaatgcaatt tttacatcac caacaggtga agaaaacctc atgaatagca    360
atcacagaga ctcggagagc atcactgatg tctgctccaa tgaggatctc cctgaagttg    420
agctggtgag tctgctagaa gaacaactac cacagtatag gctaaaagta gacactctct    480
ttctatatga aaatcaagac tggactcagt ctccacacca gcggcagcat gcatctgatg    540
ctctctctcc agtccttgct gaagagactt tccgttacat gattctaggc acagacaggg    600
tggagcagat gaccaaaact tacaatgaca tcgacatggt tacacatctc ctggcagaga    660
gggatcgtga tctggaactc gctgctcgaa ttggacaagc tctcttaaag cggaaccata    720
tcttatctga gcagaacgaa tccctggagg agcaattggg acaagccttt gatcaagtta    780
atcagctgca gcatgagcta tgcaagaaag atgagttact tcgaatcgtc tccattgctt    840
ctgaagaaag tgaaactgat tccagctgtt ctacacctct tcggttcaat gagtcctta     900
gcttatctca agggttgctg cagttggaaa tgctgcaaga aaagctcaag gaactggaag    960
aagagaatat ggctcttcga tccaaggctt gtcacataaa gacagaaact gttacctatg   1020
aagaaaagga acaacagctt gtcagcgact gtgttaaaga acttcgtgaa acaaatgctc   1080
agatgtccag aatgactgaa gaattgtcag ggaagagtga tgagctgatt cgataccaag   1140
aagagctttc ctctcttttg tcacagattg taggaccttc agcatagact taaagaagta   1200
ggcttattcg ttcattcaac agatatttgt taagcactca cataggatct tgcaccatgc   1260
taagggctag atacaataga cagaatacac attgaccttg ccctttttaag atgccctagt  1320
ctgattgctg ctttaatcat ctttatgtca tataagagat catgagtaaa tactttacag   1380
tcactatttc tctgtg                                                    1396
```

<210> 9006
<211> 382
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (164)...(379)
<223> similar to gi182221 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 9006
```
ggaactggaa gatagatctg aagagttaac tagaatgcag ccagatagac aaagagatgg     60
ggaacatgta agggaggtta ggaaacatga agaatggaga gaaatgtcta acatgcaaaa    120
aaattctccg gaaatgagac aagcaatatt tgaagcaaat gatataaaga gacatttcat    180
gaagaggtga caagaatact taatatacat gtaaaaagat gttggaactc attagtaatc    240
aggaaaatgc aaattataac caacgtgaga tactcttcca cacccaccaa actggaaata    300
gttgagtgtc tgatacttct aagcaaaaat ggggaccagt ggggactctc atcaacagca    360
gacagaagtg tcagtacaac tt                                              382
```


<210> 9007
<211> 935
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (34)...(935)
<223> similar to gi5912153 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 9007
gcggccgcgc acctgctccc gtcgccctac agcaagatca cgcccccgcg gaggccccac   60
cgctgcagca gcggccacgg cagcgacaac agcagcgtgc tgagcgggga gctcccgccg   120
gccatgggga agacggccct gttctaccac agcggcggca gcagcggcta cgagagcgtg   180
atgcgggaca gcgaggccac cggcagcgcg tcctcggcgc aggactccac gagcgagaac   240
agcagctccg tgggcggcag gtgccggagc ctcaagaccc cgaagaaacg ctccaatcca   300
ggttctcaga gacggaggct tatcccagca ctatccctgg acacctcttc ccctgtgaga   360
aaaccccca acagcacagg cgtccgctgg gtggatggcc ccttgcggag cagcccgagg   420
ggccttgggg aacccttttga gattaaagtc tatgaaatcg atgatgtgga gcgcctgcag   480
cggcgacgag ggggtgccag caaggaggcc atgtgcttca atgcaaagct gaagattctg   540
gaacaccgcc agcagaggat cgccgaggtc cgcgcgaagt acgagtggct gatgaaggag   600
ctggaggcga ccaaacagta tctgatgctg gatcccaaca agtggctcag tgaatttgac   660
ttggagcagg tttgggagct ggattccctg gagtacctgg aggcactgga gtgtgtgacg   720
gagcgcctgg agagccgtgt caacttctgc aaggcccatc tcatgatgat cacctgcttc   780
gacatcacct ccaggcgccg gtagatgagc cagacccttg tcctagtggt cccccgctcc   840
ccaggacttc agagatgttg cacgcccta ggcctctgt gctgggcat caaagacaat   900
gaatgaggat gaaggctggt ggcaagtctg gagcg   935

<210> 9008
<211> 1148
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1149)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (49)...(1148)
<223> similar to gi459714 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 9008
ggcacgagcg tccgcagagc cagttcctag cgcagagccg cgcccgccat gagggagatc   60
gtgcacatcc aggcgggcca gtgcgggaac cagatcggca ccaagttttg ggaagtgatc   120
agcgatgagc acggcatcga cccggccgga ggctacgtgg gagactcggc gctgcagctg   180
gagagaatca acgtctacta caatgagtca tcgtctcaga aatatgtgcc cagggccgcc   240

```
ctggtggact tagagccagg caccatggac agcgtgcggt ctgggccttt tgggcagctt      300
ttccggcctg acaacttcat ctttggccag acgggtgcag ggaacaactg ggcgaaaggg      360
cactacacgg agggcgcgga gctggtggac gcagtgctgg acgtggtgcg gaaggagtgc      420
gagcactgcg actgcctgca gggcttccag ctcacgcact cgctgggcgg cggcacgggc      480
tcaggcatgg gcacgctgct catcagcaag atccgtgagg agttcccgga ccgcatcatg      540
aacaccttca gcgtcatgcc ctcgcccaag gtgtcggaca cggtggtgga gccctacaat      600
gccacactgt cggtgcacca gctggtggag aatacagacg agacctactg catcgacaac      660
gaggcgctct atgacatctg cttccgcact ctgaagctga caacgcccac ctacggggac      720
ctcaaccacc tggtgtccgc caccatgagt ggggtcacca cctcgctgcg cttcccgggc      780
cagctcaatg ctgacctgcg caagctggcg gtgaacatgg tgcccttccc gcgcctgcac      840
ttcttcatgc ctggcttcgc gccgctcacc agccgcggca ncagcagtac cgggcnctga      900
ccgtgcccga gctcacccag cagatgttcg acgccaggaa catgatggcc gcctgcnatc      960
cgcgccatgg ccgctacctg accgtggcca ccgtgttccg cgggcccatg tccatgaagg     1020
aggtggacga gcagatgctg gccatccaga gtaagaacag cagctacttc gtgggagtgg     1080
atttccaaca acgtgaaggt nggccgtgtt gcgaanattc ccgncccggg gncttgaaag     1140
gatgggtt                                                              1148
```

.

```
<400> 9009
caaggtcttc agtaacgttc aagtcttgca gtgcatcgac gaattcacac tgtagagaaa       60
ccttgcaaat gcaatgaatg tggcaaggtc ttcagtaaac gttcaagtct tgcagtgcat      120
cagagaattc atactggaca gaaaacttac aaatgcaata aatgtggcaa ggtgtacagt      180
aagcattcac gtcttgcagt gcattggaga attcataccg gcgagaaagc ttataaatgc      240
aatgaatgtg gcaaagtttt cagcatacat tcacgacttg cagctcatca gagaattcat      300
actggagaga aaccttacaa atgcaatgaa tgtggcaagg tcttcagtca acattcacgt      360
ctt                                                                   363
```

```
```

Run with FASTXY 3.3t00, default parameters

<400> 9010
agaggagaga ggacgggctt ggatgaagaa gggaaagaaa gagaaagaga ctgaagcaga   60
gaagagccgc agaggaagaa agtgaatgag cactcaagaa ggacaaagag gagtagtcgg   120
gggtggggtg gaggcagggc ggggaaggga gtgaccgccc ctcctggctg cactcttgcc   180
tccggagccc tctgatcctg tttgcagtga tgctccgagg gcaggcacct gctgctctgt   240
aatgattcag ccccttcag ccgtcgtcgc gttaacacaa caggatgctg ttgctattgt   300
cactactgcc tctcctgccg ccgctgctgc tgccgccgcc gccaccgccg ctggtcctcc   360
ttctgctttt acttctcctg catgacagtt gttttcttca tctgagcaga caccagcttc   420
agatgctcga ggtgagaaac atgcctttca gtttgggcta ctggtttact taattaatca   480
gccggcagct ccgtcgatct attttcgtcc ctgtcctctt gacgagcccg ggatggtttg   540
gagtagcatt taaaagaact agaaaagtgg cccagaaaca gcagcttaaa gaattattac   600
gatatacttt gattttgtag ttgctaggag ctttttcttcc ccccttgcat ctttctgaac   660
tcttcttgat tttaataatg gccttggact tggacgattt atcgatttcc ccctgtaagg   720
atgctgtatc atttggttgg ggggggcctc tgcgtggtaa tggaccgtga ggagcggcca   780
ggggcttct ttctgggagg tgaagccgat gggagattta ttccccagac atgtctggag   840
gtcgccgccg agaggtcctc cagcccctcc actcagctga gtgcagaccc atctcttgat   900
gggcttccgg cagcagaaga catgccagag ccccagactg aagatgggga gaaccccttg   960
gatttgtggg gctgggcctg ccctgctgtg cgtgcctaga agctgagcgc ctgagaggtt   1020
gcctcaactc agagaaaatc tgcattgtcc ccatcctggc ttgcctggtc agcctctgcc   1080
tctgcatcgc cggcctcaag tgggtatttg tggacaagat ctttgaatat gactctccta   1140
ctcaccttga ccctgggggg ttaggccagg accctattat ttctctggac gcaactgctg   1200
cctcagctgt gtgggtgtcg tctgaggcat acacttcacc tgtctctagg gctcaatctg   1260
aaagtgaggt tcaagttaca gtgcaaggtg acaaggctgt tgtctccttt gaaccatcag   1320
cggcaccgac accgaagaat cgtattttg ccttttcttt cttgccgtcc actgcgccat   1380
ccttcccttc acccacccgg aaccctgagg tgagaacgcc caagtcagca actcagccac   1440
aaacaacaga aactaatctc caaactgctc ctaaactttg taagtagaga gagagagaga   1500
gacgatgatg atgatgaata aaaggggtgg gtttgaggtc cccaaaggac atttcccttt   1560
cttcttgcat tttagttgcc tggttttgtt taagcaaagc ctatgtttga gatgcttggg   1620
atggcattga agggccgagt aaaatgatct tgcaaactcc ggatctgaac cagtgttgta   1680
acagcagctc tct   1693

<210> 9011
<211> 928
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (583)...(928)
<223> similar to gi3002527 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 9011
ggaactcaag tgtcctacat aggccaggac tgcagagaaa ttccagagca ccttggcagg   60
gactgtggac atttcgcaaa gaggcttgat ctgagcttta accttctgag gtcactggaa   120

7490

```
ggactgagcg cattcaggag cctggaggaa ctcatcttgg acaacaatca gctggggggac     180
gaccttgtgt tgccagggtt acccagactg catacettaa ccctcaacaa gaaccgaatc     240
actgatttgg agaacctgct ggatcacttg gcagaagtga caccagctct ggagtacctc     300
agtctgctgg gcaacgtggc ctgtcccaac gagctggtca gcttggaaaa ggatgaggaa     360
gactacaaga gatacagatg cttttgttctg tacaagctgc ccaacttgaa atttctggat     420
gcccagaaag taaccagaca agaacgagag gaggcgttgg tcagaggagt cttcatgaag     480
gtggtgaagc ccaaggcttc tagtgaggac gttgccagct ccccggagcg ccactacacg     540
cccttgcctt ctgcttccag ggaactcacc agtcaccaag atgaagtttc attcttgtcg     600
cccaggctgg agtgcagtgg tgcgttctcg gctcactgca acctccgcct ccccggctca     660
agcgattctc ctgtctcagc ctcccaagta gctggaaata caggcatgtg ccaccatgcc     720
cagctaattt tgtatttttta gtaaagatgg agtttcttca tgttggccag gtgtcctggg     780
gaagtgtcgc tacgtttact atgggaaaaa ctcagagggc aacaggttta tccgagatga     840
ccagctctga agccaacttc tgtataccttt cacccatttc atgaaaataa aatcaaaagg     900
gaaatcaaaa ataaagaaaa cgctaaag                                        928
```

```
        <400> 9012
agcggtcgtg ttgccatggg ccggaggaga gccccggccg gtgggtcgct gggacgggcc      60
cttatgcgcc atcagactca gcggagccga agccatcgtc acactgactc ctggttgcac     120
acaagtgaac tcaatgatgg ctatgattgg ggtcgtctta atcttcagtc agtgactgaa     180
cagagctccc ttgatgactt ccttgctact gcagaacttg caggaacaga gtttgtagct     240
gaaaaactta atattaagtt tgtgcctgct gaggctagaa ctggactact gtctttcgag     300
gagagccaga gaattaagaa gctccatgaa gaaaacaaac agttcttgtg tataccgagg     360
agaccaaact ggaaccaaaa tactacccca gaagaactca acaagcaga gaaagataac      420
tttctagaat ggagacgtca gctttgtccg gctagaagag gaacagaagc tgatattgac     480
tccatttgaa cgaaatttgg acttttggcg ccagctctgg agagtcattg agagaagtga     540
tattgtggtc cagatagtag atgctc                                          566
```

<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (16)...(346)
<223> similar to gi3413293 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 9013
ctctaaccca tccatatggc tgccgctgcg ctacgcgccg atatctatct ccccgctgtt   60
tccccatatc cagggctacc tgctcctctc cgcttcgcat ggcgtctaca agcctgcaca   120
ccaagggcgc ccttcccctg gaaacggtca ctatgtacac ggtcattccc aaaagcaagt   180
acgtcttggt gaaacctgac acccagtacc cctacagtga gaatctggat gagttcaagc   240
gacttgctga aaactcagct tccaacgatg atctcttgat ggcagaggtg gcgatctcag   300
attatggaga caagctgacc ctggagctga gggagaaata can   343

<210> 9014
<211> 328
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (183)...(328)
<223> similar to gi51335 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 9014
gaaaaagctt acatgctcat ggtttcaagg tactaattaa cagaaagact ttcaaaactg   60
aaatagggggt ctcagcagct cgggcagcgg gaggagtgcc agtagccagg cagcccagct   120
tcgcgaaggc tctcagctcc gtggcccaca ggtgcccagc aagtgcccct cctgccgcca   180
agatgcccaa gaggaaggtc agttcagccg aaggggtggc gaagcaagag cccaagagga   240
gatctgcgca cttgtcagct aaacctgctc ctgcaaaagt ggaaatgaag ccaaagaggc   300
atcaggaaag gctaaatctt cagattaa   328

<210> 9015
<211> 413
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (28)...(415)

7492

<223> similar to gi183885 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 9015
ggcacgagcc atgaaacttc tattgcgaac gccatgcttc atttgacaaa cggggacaag   60
gctaatatca gaagcctgtg gcgcaaggcc aatgtgtacg aggctggact acagaccctg   120
attgggctac tggaggacta cctacgtacc aagaggatac ttgacagctt tggcaacctg   180
gcctctgact ctgccatcat gggcaaccca aaagtcaagg cacatggcaa gaaggtgctg   240
acttgcttgg gagatgccat aaagcacctg aatgatgcca agggcacctt tgtccagctg   300
agtagaactg cactgtgatc agctgaatgt ggatcctgag aacttcatgc tcctgctaaa   360
tgtgctgctg accgtgttgg ccatgcattt cggcagacag ttcagccctg agg   413

<210> 9016
<211> 375
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (248)...(375)
<223> similar to gi250803 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 9016
ggcacgaggt tgagccaccg cacccagccg aaaaatctta tttaagcctg accttgggag   60
agttactctt atgcttatga tatagaaagc tacaaaatac attgtttcca tcataacaac   120
aggaaaaagc cagatagata agccacaaaa acataacttt tcttgagtcc agcagagagc   180
tgaagacaca aggcaaccaa gtaatcaagt aatcagattt aaaaagagga acgctcccct   240
ccagggacat tcggtgataa taactcatac gactgtggca tggaccaact gagagacctg   300
accagagaac aactgatgtc attgatgagt tccctgacag atcccagtca gtgtcagaga   360
agtatcacat ataag   375

<210> 9017
<211> 414
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (10)...(414)
<223> similar to gi4566746 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 9017

```
ggcacgaggc aaaacacggt gattgtgaat ggagttgcta tggcctctag ggcgacccag      60
cccacgcacg tcaacgtcca catccaccag gagtcagctt tgacacaact gctgaaagct     120
ggaggttctc tgaagaagtc tctttataac ctggagactc tgtgctttgt tctgtcagga     180
attgctgagt attagtgaga ttatctgatg gctaatttat tgggttgtta tcttattgtc     240
atgtgtcctt cgtatggcaa cttaatgtta tacatgtgta gatttcacta atttattggt     300
tatcacattt gtggaatcat ttatccgttc atcttaggta attattggta ctagggttac     360
tgttctatgt aagtgagtct gatattatgt tgtatgatga aaagtatttg ttgg          414
```

<210> 9018
<211> 1448
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (249)...(1448)
<223> similar to gi177831 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 9018

```
ccccggctc gagccggggc tgtacactgc ccaggcaaag cgtccgggca gcgtaggcgg      60
gcgactcaga tcccagccag tggacttagc ccctgtttgc tcctccgata actggggtga     120
ccttggttaa tattcaccag cagcctcccc cgttgcccct ctggatccac tgcttaaata     180
cggacgagga cagggccctg tctcctcagc ttcaggcacc accactgacc tgggacagtg     240
aatcgacaat gccgtcttct gtctcgtggg gcatcctcct gctggcaggc ctgtgctgcc     300
tggtccctgt ctccctggct gaggatcccc agggagatgc tgcccagaag acagatacat     360
cccaccatga tcaggatcac ccaaccttca acaagatcac ccccaacctg gctgagttcg     420
ccttcagcct ataccgccag ctggcacacc agtccaacag caccaatatc ttcttctccc     480
cagtgagcat cgctacagcc tttgcaatgc tctccctggg gaccaaggct gacactcacg     540
atgaaatcct ggagggcctg aatttcaacc tcacggagat tccggaggct cagatccatg     600
aaggcttcca ggaactcctc cgtaccctca accagccaga cagccagctc cagctgacca     660
ccggcaatgg cctgttcctc agcgagggcc tgaagctagt ggataagttt ttggaggatg     720
ttaaaaagtt gtaccactca gaagccttca ctgtcaactt cggggacacc gaagaggcca     780
agaaacagat caacgattac gtggagaagg gtactcaagg gaaaattgtg gatttggtca     840
aggagcttga cagagacaca gttttgctc tggtgaatta catcttcttt aaaggcaaat     900
gggagagacc ctttgaagtc aaggacaccg aggaagagga cttccacgtg gaccaggtga     960
ccaccgtgaa ggtgcctatg atgaagcgtt taggcatgtt taacatccag cactgtaaga   1020
agctgcccag ctgggtgctg ctgatgaaat acctgggcaa tgccaccgcc atcttcttcc   1080
tgcctgatga ggggaaacta cagcacctgg aaaatgaact cacccacgat atcatcacca   1140
agttcctgga aaatgaagac agaaggtctg ccagcttaca tttacccaaa ctgtccatta   1200
ctggaaccta tgatctgaag agcgtcctgg gtcaactggg catcactaag gtcttcagca   1260
atgggggctga cctctccggg gtcacagagg aggcacccct gaagctctcc aaggcccttg   1320
cataaggctg tgctgaccat cgacgagaaa gggcctgaag ctgctggggc catgtttttg   1380
gaggccatac catgtctatc accccgagt caagttcgac aaacctttgg actctaatga   1440
ttggtcaa                                                            1448
```

```
<210> 9019
<211> 398
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(399)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (13)...(398)
<223> similar to gi490104 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




<400> 9019
ggcacgagga cgatgacttg caaaatgtcg cagctggaac gcaacataga gaccatcatc      60
aacaccttcc accaatactc tgtgaagctg gggcacccag acaccctgaa ccaggggaa      120
ttcatagagc tgatgcgaat agatctgcga gagtatgtca agatagatac taggaatgag     180
aaggacatac ataagactgt ggaagaaatg tacctggctg ctcatcagaa cccgaacgct     240
aacctgacca cacttgctct cggagaagtt caagcctgtg atgagcgtaa actccaacga     300
gcctggctta ggcgtcaaca tgcacattcc atataaatct cttgcaggca taccgcactg     360
ctatacagcg agaaacaata actggcgaag gtggctgn                            398




<210> 9020
<211> 1106
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (949)...(1108)
<223> similar to gi5689485 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




<400> 9020
tgtattggat tatagcattt attataccaa actatttttt ttttgaacag aaacatagct      60
tgtaagcact taaactatta atggtcagtt catcatacac cagtatgaaa gttatttgag     120
ggcagggatg gcctctttct gaaccttgta tcttcaggcc aaaaaaatgt ctgttgaatg     180
aaaccaatgt tgatgtacag caatgtggct ggaatttaga aagcttaata aaaattgggt     240
gagggggggca tctaattcag aacatgtttt tgggtgtaag gctagtatca tctacttttg    300
aaaacataat ttttatgatt agcaggtaaa ggtagcatga aactgcaata cactggctcc     360
```

```
agacctttcc tctctgcctt gccacaggca tgcttgggtg gtctgattac aaaagtacgg      420
atctcaacac tatatttttt attctaaaat ctcaaccaaa atgatgggat catgggtgca      480
aagtgggttt ttcctttaaa ttgtgagaaa ccatttccac atttcagatc taatggtgtt      540
ctcatgacat tgcaaagtag tattttatgc cctcaaaact gaaccttaag gtagagacaa      600
ttgctccccg ggccaaacac agatccctcc aacccctcac tgtaccttag gaaagctggg      660
ataaactaca gattcaacaa aatctcaata agaaaatccc aaaaaccttc cccaatgccc      720
tgtggtttgg cctgaacata gggaaaatgg actgctgggt ggctacagaa caggaatgaa      780
gagttaagaa taataaatgc ctaagttaca gggacagaac caatctttca ttaatgacac      840
aaagtagaat gcacaaagta gtatgcagta tggctggggg acagtcaagg accatctaga      900
cttttaattg ttagaagcac cacaggtcca aatgctcccc agagtggacc aaaactggat      960
tttgtccatg gcaacactgt tctccactat tctgtctata atgagaatat atcaatagca     1020
ggaaatctac tttcacacat ggcaaaccgc gaagaaaaac aaggataacc tcaggccact     1080
tttacttgct gtaagtggga aaaaaa                                          1106
```

```
        <210> 9021
        <211> 334
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (187)...(335)
        <223> similar to gi310925 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

```
        <400> 9021
ggcacgagtg aaaatccatt taaagaggag ctcactaatt atcaatactg actgctgagc       60
ctggaatcat tcatatatac ctcagagttc attcattcca gatgcaatac tagataagga      120
gactcctatg aaccaaatat ctaactctga atagatagtg actgtcataa tcaaaccctg      180
cggctgcctc ctccttactg gagggtgtag aggaaagcag tctccccgaa ccctaccctc      240
tccctcaccc cccgttcacc ccctccccca caaccgctcc cccaacccca cccacccacg      300
ccctctcccc cctcccctcc ccctcctct cccg                                   334
```

```
        <210> 9022
        <211> 621
        <212> DNA
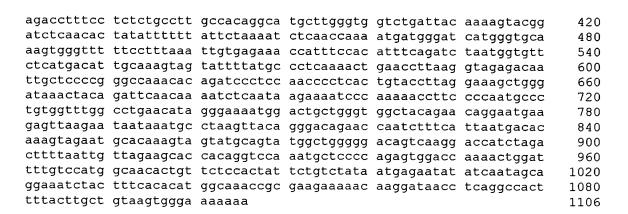        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (44)...(621)
        <223> similar to gi183885 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

<400> 9022

```
ggcacgagcg gcacgaggga acgtctgagg ttatcaataa gctcctagtc cagacgccat      60
gggtcatttc acagaggagg acaaggctac tatcacaagc ctgtggggca aggtgaatgt     120
ggaagatgct ggaggagaaa ccctgggaag gctcctggtt gtctacccat ggacccagag     180
gttctttgac agctttggca acctgtcctc tgcctctgcc atcatgggca accccaaagt     240
caaggcacat ggcaagaagg tgctgacttc cttgggagat gccataaagc acctggatga     300
tctcaagggc acctttgccc agctgagtga actgcactgt gacaagctgc atgtggatcc     360
tgagaacttc aagctcctgg gaaatgtgct ggtgaccgtt ttggcaatcc atttcggcaa     420
agaattcacc cctgagggtg caggcttcct ggccagaaga ttggtgactg gaattggcag     480
tgggccagtg cccttgttcc ttccagatac ccactgaagc ctcttggccc atgaattcag     540
aagctttcaa aggataaggc tttattcttg caagcaatac aaataataaa tccattctgc     600
tgagagatca caaaaaaaa a                                                621
```

<210> 9023
<211> 441
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (22)...(443)
<223> similar to gi505652 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 9023

```
ggcacgaggg gaaagatggc ggcgactctg ggaccccttg ggtcgtggca gcagtggcgg      60
cgatgtttgt cggctcggga tgggtccagg atgttactcc ttcttctttt gttggggtct     120
gggcaggggc cacagcaagt cggggcgggt caaacgttcg agtacttgaa acgggagcac     180
tcgctgtcga agccctacca gggtgtgggc acaggcagtt cctcactgtg gaatctgatg     240
ggcaatgcca tggtgatgac ccagtatatc cgccttaccc cagatatgca aagtaaacag     300
ggtgccttgt ggaaccgggt gccatgtttc ctgagagact gggagttgca ggtgcacttc     360
aaaatccatg gacaaggaaa gaagaatctg ccatggggat ggcttggcaa tctggtacac     420
aaaggatcgg atgcagccag g                                               441
```

<210> 9024
<211> 334
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (54)...(239)
<223> similar to gi3043694 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 9024
```
ggcacgagat taacgatctg tgcctatgtt gtttcgggac cagttgggga ccccgcagaa    60
tgaaccacat gagcaggaag cgcatccgcg aggccaagcg gagtgcgcgg ccggagctca   120
aggactcgct ggattggacc cggcacaact actacgagag cttctcgctg agcctggcgg   180
ccgtggcgga taaccgtgga aagggcagat gctctacatg tgtctttgga aaaattcggg   240
ggatcggttt tactgtccag acagaacata ttgacagcgg gaaacgctga tggcgggtct   300
ggtgggtacg acgacgtgcc ggagcaaggg taac                               334
```

<210> 9025
<211> 2170
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (32)...(2117)
<223> similar to gi3878945 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 9025
```
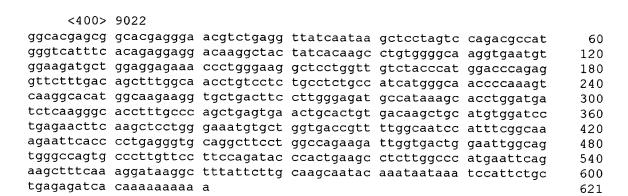ggcacgaggg atggcggcgc gggacagtga cagcgaagaa gatctggtca gctatgggac    60
cgggctggag cctctggaag aaggtgaaag accaaagaaa ccaatccctc ttcaggatca   120
gactgtcaga gatgaaaaag gaaggtataa acgattccac ggggccttta gcggaggttt   180
ctctgctgga tacttcaata ctgttggctc aaaagaagga tggacaccct ctacctttgt   240
gtcttcacga cagaacagag cagacaaatc tgttcttggt cctgaagatt ttatggatga   300
agaggatctt agtgaatttg ggatagcacc taaagcgatt gtcaccacag acgattttgc   360
ctccaaaacc aaagacagaa tacgagaaaa ggctaggcag ttggccgctg ctactgcccc   420
tattcctgga gccaccctcc ttgatgacct cataacgcca gcaaaattat ctgttggttt   480
cgaattgcta agaaaaatgg gttggaaaga aggacaagga gttggtcctc gagtaaagag   540
acggccacgc cgacagaaac ctgatcctgg agtcaaaatc tatggctgtg cattaccccc   600
tggaagctcg gaaggatctg agggtgaaga tgatgactac ttgcctgata atgtgacctt   660
tgcacccaaa gatgtcacac ctgtggattt cacacctaaa gataatgtgc atggtctagc   720
ttacaagggc ctggatcccc accaggcact gtttggaact tcgggagaac attttaatct   780
tttcagtggt ggttctgaga gagctggcga tcttggagaa attggactga ataaaggaag   840
aaaattggga atttcaggcc aggcttttgg tgtaggtgcc ctggaagagg aagatgatga   900
tatctatgcc acagaaactc tatccaagta tgacactgtt ctgaaggacg aggagcctgg   960
agacggactc tatggctgga cagcacccag gcagtataaa aaccagaaag aatcagagaa  1020
agaccttcgg tacgttggca aaattttgga tggattttcc ttggcttcta aacctttatc  1080
ttctaagaaa atctatccac ctccagagct gccaagagac tatcgaccag tgcattattt  1140
cagacccatg gtggccgcca cctccgagaa ctcacactta ctgcaggtat tatcagagtc  1200
agctggaaag gcaacgcctg acccagggac acacagtaag caccaactga atgcctccaa  1260
acgggctgag ttgcttggag agacgcctat tcaaggttca gctacttcag tgttagaatt  1320
tctgtcccaa aaagacaaag agagaatcaa agaaatgaag caggcaactg acctgaaagc  1380
agctcagctc aaggccagga gtctggccca gaacgctcag agcagcagag cccagccctc  1440
ccctgcagcg gctgctgggc actgctcttg gaacatggca ttaggtggtg ggacggccac  1500
cttaaaagcc agcaacttca agcctttcgc caaagatccg gaaaagcaaa agcgatacga  1560
cgagttctta gtacacatga aacagggtca gaaagatgct ctggaacgct gtctggaccc  1620
```

7498

```
cagcatgaca gagtgggagc gaggccgtga gcgggatgag tttgcccggg cggccctgct    1680
gtacgcatct tcccattcga ccttgtcctc caggttcact catgccaagg aggaggatga    1740
ctcagatcag gttgaagtcc ctcgagacca agagaatgat gtcggggata agcagtcggc    1800
tgtgaagatg aagatgtttg ggaagctcac ccgagacacg tttgagtggc accctgacaa    1860
gcttctattt caactttagt tggcttacca agagtgaagc gtgacaagta ctcagtcttc    1920
aactttctga cgctcccaga gacagcttcc ttgcccacca ctcaagcatc aagtgaaaaa    1980
gtatcacagc accgaggtcc cgacaaatca agaaaaccat ccagatggga tacctctaaa    2040
cacgaaaaga aagaagattc cattagtgaa tttttaaggt tggctagatc aaaagccgag    2100
ccacctaaac aacagtccag ccccttagta aacaaagagg aagagcatgc accagaatta    2160
tccgcaaatg                                                           2170
```

```
        <210> 9026
        <211> 377
        <212> DNA
        <213> Homo sapiens

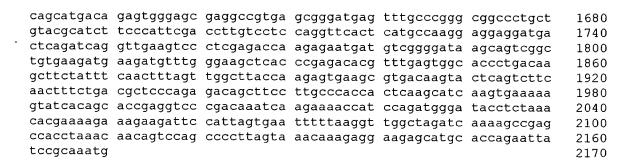        <220>
        <221> misc_feature
        <222> (15)...(268)
        <223> similar to gi2145060 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters



        <400> 9026
ggcacgagaa cagggaccca gacatggagc tgcgggaaga agcctggtct ccggggccgc      60
tggattctga ggaccagcag atggccagtc acgagaaccc aggtgagcag ccagaggcct     120
tcccagccga ccccgctgcc tcccacctga ccctggcttc ctttgcctct gggtgggagg     180
aaacccccct tccctgtttt cccctcttgg ggccctggga ccacccgacc ctggcctccc     240
ctcccgccct gggccttgca ctcctggctg tagaggagg gctagtgttg tggctccaag      300
tttcctttct gctggatgat cttggggacc cctgggggcc accttctctg cctgacttcc     360
tctgtccttg cccctcc                                                    377
```

```
        <210> 9027
        <211> 989
        <212> DNA
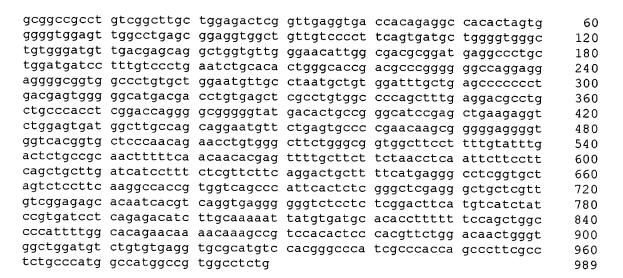        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (620)...(1)
        <223> similar to gi5901743 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters



        <400> 9027
```

```
gcggccgcct gtcggcttgc tggagactcg gttgaggtga ccacagaggc cacactagtg      60
ggggtggagt tggcctgagc ggaggtggct gttgtcccct tcagtgatgc tggggtgggc     120
tgtgggatgt tgacgagcag gctggtgttg ggaacattgg cgacgcggat gaggccctgc     180
tggatgatcc tttgtccctg aatctgcaca ctgggcaccg acgcccgggg ggccaggagg     240
aggggcggtg gccctgtgct ggaatgttgc ctaatgctgt ggatttgctg agcccccccct    300
gacgagtggg ggcatgacga cctgtgagct cgcctgtggc cccagctttg aggacgcctg     360
ctgcccacct cggaccaggg gcgggggtat gacactgccg ggcatccgag ctgaagaggt     420
ctggagtgat ggcttgccag caggaatgtt ctgagtgccc cgaacaagcg ggggaggggt     480
ggtcacggtg ctcccaacag aacctgtggg cttctgggcg gtggcttcct tttgtatttg     540
actctgccgc aacttttca acaacacgag ttttgcttct tctaacctca attcttcctt      600
cagctgcttg atcatccttt ctcgttcttc aggactgctt ttcatgaggg cctcggtgct     660
agtctccttc aaggccaccg tggtcagccc attcactctc gggctcgagg ctgctcgtt      720
gtcggagagc acaatcacgt caggtgaggg gggtctcctc tcggacttca tgtcatctat     780
ccgtgatcct cagagacatc ttgcaaaaat tatgtgatgc acaccttttt tccagctggc     840
cccattttgg cacagaacaa aacaaagccg tccacactcc cacgttctgg acaactgggt     900
ggctggatgt ctgtgtgagg tgcgcatgtc cacgggccca tcgcccacca gcccttcgcc     960
tctgcccatg gccatggccg tggcctctg                                       989
```

```
    <400> 9028
ccagagcaaa ggcatacctc caccacatta agaatcctag acattattgg ccacaggtat      60
aaaatccgct ggggctccaa acaaaggtat atagttaact atattggggg cattgcttta     120
agatgagtgc ctagcagcag tgacagtatc tgggcctgga aaaaatgtac cacttacatt     180
gaatttgctc ttcaacccac aggttctgac tcctcaggag caaaaaacat aacctgaaga     240
gggaggaagt ggatttgggg ttcaccattt cttggggcac acttgattga aaactgagac     300
ttctgaagag aaggccagaa gatacaaaga cagaccatcc cagttgaatg ctgtcttcca     360
agaacagaag aaaatgatcc aggcccagga atccataaca ctggaggatg tggctgtcga     420
cttcacttgg gaggagtggc aactcctggg cgctgctcag aaggacctgt accgggatgt     480
gatgttggag aactacagca acctggtggc agtggggtat caagccagca aaccggatgc     540
actcttcaag ttggaacaag gagaacaact gtggacaatt gaagatggaa tccacagtgg     600
agcctgttca gacatatgga aagttgatca tgtgctggag cgcttgcaga gtgaaagcct     660
ggtgaacaga aggaaaccat gtcatgaaca tgatgcattt gaaaatattg ttcattgcag     720
caaaagtcag tttctgttag ggcaaaatca tgatatattt gacttacgtg gaaaaagttt     780
gaaatccaat ttaactttag ttaaccagag caaaggctat gaaataaaga actctgttga     840
gtttactgga aatggggact cctttcttca tgctaaccat gaacgacttc atactgcaat     900
taaattccct gcaagtcaaa aactcatcag cactaagtcc caattcatca gtcccaagca     960
tcagaaaaca cgaaaattag agaagcatca tgtgtgcagt gaatgtggga aagccttcat    1020
caagaagtct tggctaactg atcaccaggt aatgcataca ggagagaaac cccacagatg    1080
tagtctatgt gagaaagcct tctccagaaa gttcatgctt actgaacatc agcgaactca    1140
tacaggagaa aaaccttatg aatgccctga atgtggcaaa gcctttctca agaaatcacg    1200
```

7500